

Wm. S. H. H. H. H.



Stewart

Black

Wm

For

Mr

72  
Em



16-25-  
18-50  
7-75-  
17-00  
18-00  
3-50  
9-75-  
14-50  
7-00  
18-50  
1-50  
1-50

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12 6 - 75-  
1 0 - 00

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# LOG BOOK

VOYAGES OF THE

*Ship Black Hawk from New York to*

COMMANDED BY

*San Francisco C. C. Baker master 1875*



**CROCKER, WOOD & CO.,**  
**SHIP CHANDLERS & GROCERS,**  
No. 52 SOUTH STREET,  
NEW YORK.

Wilbur & Hastings, Stationers, 40 Fulton St., N. Y.



# LOG BOOK

ADVANCE OF THE

COMMISSIONER



WOODRIDGE, WOOD & CO.

NEW YORK, N. Y.

1870

THE



Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	day of Jan	1875
						Air.	Water.				
1	3		E E E	Drifting from the Eastward					At 7 AM wind from the Westward crew came on board and piled on moored ship from pier 19 East river at 8 took steam and proceeded to sea at 11 AM tug and Pilot left made all sail wind dying out at 12 noon light shift bore WNW dist 6 miles from which I took my departure wind light and baffling through out the 24 hours baffled from the Eastward several sail in company	Sunday	
2	3										
3	3										
4	3										
5	2										
6	1										
7	1										
8	2										
9	3										
10	3										
11	3										
12	3										
1	3								Draft of ship 19 ft 6 in Forward 21 ft 2 in aft Pumps attended		
2	4										
3	4										
4	4										
5	5										
6	5										
7	5										
8	5										
9	6										
10	6										
11	6										
12	6										

13-5  
21-2  
1.0-8  
20-41

Course.			Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
0 1/2 S			89'	17.4	87.3	40° 03'		1 Point	20	75° 39'	
H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	1875
						Air.	Water.				
1	6		S 1/2 E 1/2 E	W N W					Sunday	Jan	
2	7										
3	8										
4	8										
5	8										
6	10										
7	10										
8	10		S E	N W							
9	10										
10	10										
11	10										
12	10										
1	10										
2	10										
3	10		S 1/2 E 1/2 E	North							
4	10										
5	10										
6	10										
7	10										
8	10										
9	10										
10	10										
11	10										
12	10										

Latter part moderate with a little with snow squalls made all sailable sail wind hauled more to the Northward

Pumps attended to

2 Days out

Course.		Distance.		Diff. of Lat.		Departure.		Lat. by D. R.		Lat. by Ob.		Variation.		Diff. of Lon.		Lon. in.		Lon. by Ob.	
S 1/2 E		227		100.2		202.0		38° 25'				1/2		28.4		68° 55'			



Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Monday day of Jan	1875
						Air.	Water.				
1	9		SE by E 1/2 E North								
2	9										
3	9										
4	9										
5	9										
6	9										
7	9			NE							
8	9										
9	9										
10	9										
11	9										
12	9										
1	8										
2	8										
3	8										
4	8										
5	8										
6	8										
7	8										
8	8										
9	8										
10	8										
11	8										
12	8										

Strong breeze from the Northward and overcast with snow squalls at 6 wind hauled to NW all sail set

Middle & Latter part the same crew employed getting on chafy gear

Pumps attended to

3 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.		
SE by E	20 1/4	78.1	188.5	37° 07'	37° 24'	1/2 Point	24' 0"	64. 53'			
H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Tuesday day of Jan	1875
						Air.	Water.				
1	8		SE by E	NE							
2	8										
3	8										
4	8										
5	8										
6	8										
7	8										
8	8										
9	8										
10	8										
11	8										
12	8										
1	8			North							
2	9										
3	9										
4	9										
5	9										
6	9										
7	9										
8	9										
9	9										
10	9			NE							
11	9										
12	9										

Fresh breeze from the Northward and Westward and overcast with passing squalls stowed the cables below

Middle part the same up to 12 midnight and hazy more to the Northward and freshening

Latter part fresh breeze with passing squalls set Topmast Steel sail

Pumps attended to

4 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SE by E	20 1/4	39.8	200.1	36° 44'	36° 46'	1/2 P	25' 1"	60 44'	59° 30'



# Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	1875
						Air.	Water.			
1	9		SSS	North					Fresh breeze and cloudy all sail at 8 squally and breeze freshning	Wednesday 13 Jan
2	9									
3	9									
4	9									
5	9									
6	9									
7	10								Middle part the same	
8	10									
9	10									
10	10									
11	10		SE by E	NNE					Latter strong and pleasant - sat Lowell stud sail crew variously employed	
12	10									
1	10									
2	10									
3	10									
4	10									
5	10								Pumps attended to	
6	10									
7	10									
8	10									
9	10								8 Days out	
10	10									
11	10									
12	10									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 72° E	230	71.2	217.6	33° 33'	35° 31'	1° 10' N	28° 8'	52° 01'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	1875
						Air.	Water.			
1	9		SE by E	NNE					Strong breeze and overcast with nasty swell at 4 P.M. moderating crew variously employed	Thursday 14 Jan
2	9									
3	9									
4	9									
5	8									
6	8									
7	7								Middle part wind hauled to NE and light	
8	7									
9	6									
10	6									
11	6		SSS	NNE					Latter the same up to 10 A.M. then wind hauled to the Southward of took in Studding sail	
12	6									
1	6									
2	6									
3	6									
4	6									
5	5								Pumps attended to	
6	5									
7	4									
8	4									
9	3		SE S						6 Days out	
10	3									
11	2									
12	2									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 73° E	142	40.1	136.1	34° 51'	34° 52'	1° 10' N	16° 4'	52° 17'	



# Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Friday day of 15 Jan 1875
						Air.	Water.			
1	3		SE	SE					Light breeze and overcast at 4 breeze freshening and squally at 7 wind hauling more to the Westward with very heavy squalls took in Light sails	
2	4									
3	5									
4	6									
5	7									
6	8									
7	8		SE	SE					Middle part strong with heavy squalls at 2 PM muddering a little at 11.30 carried away Fore Topgalsail	
8	8									
9	9									
10	10									
11	10								Latter part weather more settled and wind hauled to West made all sail and set Studding sails	
12	10									
1	10									
2	10									
3	9									
4	8									
5	8								Pump attended to	
6	6			West						
7	6									
8	6									
9	5									
10	5									
11	5									
12	5									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.	
S 64° E	166	72.2	149.1	33° 40'	33° 46'	1° 06' E	18' 0	49° 17'		
H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Saturday day of 16 Jan 1875
						Air.	Water.			
1	6		SE	West					Fresh breeze and overcast all sail set	
2	6									
3	6									
4	6									
5	6									
6	6									
7	6								Middle part at 8.30 breeze freshening took in Studding sails at 10 light sails at 12 fresh gale with heavy squalls and sharp lightning took in Topgalsails very thick and salty looking	
8	6									
9	9									
10	10									
11	10									
12	10									
1	10		SE						Latter had a very heavy squall at 4.30 and a very heavy fall of rain at 6 weather more settled but Topgalsails wind hauling more to the Southward and heavy sea getting up	
2	10									
3	10									
4	10		SE	W						
5	10									
6	10									
7	8								Pump attended to	
8	8			SE						
9	8									
10	8									
11	8									
12	8									

8 Days out									
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Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 42° E	193	131.8	142.9	31° 35'	31° 53'	1	16° 9'	46° 28'	



# Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer Air. Water.	Barometer.	REMARKS.
1	9		SSE	WSW				Sunday 17 Jan 1875
2	9							Strong breeze with heavy
3	9							squalls and high sea
4	9							all suitable sail set
5	9							
6	9							
7	9							
8	9							Middle part the sun to
9	9							then moderating and
10	9							weather more settled sat
11	8							the Bojals and stay sails
12	8							at 4 AM wind hauled to the
1	8							Westward
2	8							
3	7							
4	7			West				Light breeze and
5	6							pleasant at 6 AM set top
6	6							mast and lower studding
7	5							sails for haul to the
8	5							Northward
9	5		S by E	NE				Pumps attended to
10	4							9 Days out
11	4							
12	4			North				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S by E	177	14.1	94.3	29° 27'	29° 37'	1 Point	110	14° 38'	12° 00'
H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer Air. Water.		Barometer.	REMARKS.
1	2		South	North					Monday 18 Jan 1875
2	2								Light baffling breeze from
3	2			East					the Northward at 2 PM
4	2								wind hauled to the Eastward
5	2								a steamer in sight bound to
6	2								the Northward a very heavy
7	0								swell from the NE from
8	0								six to eight calm
9	3		W by S 1/2 S	South					Light air from the Southward
10	3								at 12 midnight wore ship to
11	1								the Eastward
12	1		SE 1/2 E	SE					
1	1								
2	1								Later the same
3	1								Pumps attended to
4	1		SE	SE					
5	3								
6	3								
7	3								
8	2		SE	South					10 Days out
9	2								
10	2								
11	2								
12	2								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SE 1/4 E	370	42.2	24.3	28° 56'	29° 12'	16'	28	41° 32'	



# Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Tuesday day of 19 Jan 1875
						Air.	Water.			
1	2		South						Slight baffling air from all points of the compass with heavy rain squalls	
2	2									
3	2									
4	2									
5	2									
6	2									
7	2								At 8 light air from SE with passing squalls	
8	2		SSW	SE						
9	2									
10	2									
11	2									
12	2									
1	2								Batter at 8 Am breeze a little and weather more settled a ship in sight bound to the Northward	
2	2									
3	2									
4	2									
5	2									
6	2		SW	SE						
7	2								Pumps attended to	
8	2									
9	3									
10	5									
11	5									
12	5									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 3/4 W	55	54.6	07.8	28° 17'	28 07	16°	19	49 41	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Wednesday day of 20 Jan 1875
						Air.	Water.			
1	6		SW by S	SE by S					Moderate breeze and pleasant at 2 breeze freshening all sail set at 6 fresh breeze and squally	
2	6									
3	7									
4	7									
5	8									
6	8		SSW	SE						
7	8								Middle part part the same	
8	8									
9	8									
10	8									
11	8									
12	8									
1	8								Batter strong breeze and overcast crew narrowly employed	
2	8									
3	8									
4	8									
5	8									
6	8									
7	9								Pumps attended to	
8	9									
9	9		S by W	SE						
10	9									
11	9									
12	9									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 6° W	191	190.4	20.5	24 56	25 07	16°	23	42 04	



# Journal from New York

towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Thursday <sup>day of</sup> 21 Jan 1875
						Air.	Water.			
1	8		S by W	OSO						
2	8									
3	8									
4	8									
5	8									
6	8									
7	8									
8	8									
9	9									
10	9									
11	9									
12	9									
1	9		SSW	SO						
2	9									
3	9									
4	9									
5	9									
6	9		S by W	OSO						
7	9									
8	9									
9	9									
10	9									
11	9									
12	9									

Strong breeze and squally  
all sail set

Middle & Latter part  
the same

Pump attended to

13 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 3° E	208	207.9	09.8	21° 4' 0"	21° 3' 4"	16°	12	111° 5' 2"	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Friday <sup>day of</sup> 22 Jan 1875
						Air.	Water.			
1	9		S 1/2 W	OSO						
2	9									
3	9									
4	9									
5	9		South							
6	9									
7	9									
8	9									
9	9									
10	9									
11	9									
12	9									
1	9		SSO	East						
2	9									
3	9		SSO	SSO						
4	9		S by E	S by S						
5	9									
6	9									
7	9									
8	9									
9	9									
10	9									
11	9		SSO	East						
12	9									

Strong breeze with strong  
puff all sail set wind not  
steady

Middle & Latter parts  
the same

Pump attended to

14 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 17° E	205	195.0	58.2	18° 2' 1"	18° 1' 1"	12°	50	111° 5' 2"	



# Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Saturday <sup>day of</sup> 23 Jan 1875
						Air.	Water.			
1	8		Sby E	Eby S					Strong breeze and squally at 7 took in Royals Sea getting up	
2	8									
3	8									
4	8									
5	8									
6	8									
7	8								Middle & latter strong breeze and high sea with heavy squalls at 11 A.M. a bark passed bound to the northward	
8	8									
9	8									
10	8									
11	8									
12	8									
1	8		SSE	East					Pumps attended to	
2	8									
3	8									
4	8									
5	8									
6	8									
7	8								15 Days out	
8	8									
9	8		Sby E	Eby S						
10	8									
11	8									
12	8									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 26° E	192	171.5'	84.5'	15° 5' 0"	15° 5' 3"	1 Point	8.8	28° 24'	29° 30'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Sunday <sup>day of</sup> 24 Jan 1875
						Air.	Water.			
1	8		Sby E	East					Strong breeze and high sea and heavy squalls.	
2	8									
3	8									
4	8									
5	8									
6	8									
7	8								Middle part the same	
8	8									
9	8		Sby E	East						
10	8									
11	8									
12	8									
1	8								Latter weather more settled and sea going down all sail set	
2	8									
3	8									
4	8									
5	8									
6	8									
7	8								Pumps attended to	
8	8									
9	8									
10	8									
11	8									
12	8									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 27° E	192	170.4'	87.5'	13° 0' 5"	12° 5' 6"	1 Point	8.8	28° 01'	



Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Monday 25 Jan	1875		
						Air.	Water.						
1	8		SSO East						Fresh breeze and pleasant all sail set at 6 getting squally and overcast wind unsteady				
2	8												
3	8												
4	8												
5	8												
6	8												
7	8												
8	8												
9	8												
10	8												
11	8												
12	8												
1	8		SO by S by N						Middle part the same				
2	8												
3	8												
4	8												
5	8												
6	8												
7	8												
8	8												
9	8												
10	8												
11	8												
12	8												
									Latter part the same				
									Pump attended to				
									17 Drags out				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 36° E	192	15 3 3	11 1 3	10° 2'	10° 2'	5/4	11 3	25° 18'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Tuesday 26 Jan	1875
						Air.	Water.				
1	8		SO by S	by N					Fresh breeze and pleasant wind unsteady all sail set at 6 overcast	Middle part the same	Latter pleasant at 7 A M a bark in sight bound to the Northward
2	8										
3	8										
4	8										
5	8		SO	ONC							
6	8										
7	8										
8	8										
9	8		SO by S	by N							
10	8										
11	8		SO	ONC							
12	8										
1	8								Pump attended to	18 Days out	
2	8										
3	8										
4	8										
5	8		SO by S	by N							
6	8										
7	8										
8	8										
9	8										
10	8										
11	8										
12	8										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 57° E	191	120 8	11 9 9	8° 2'	8° 3'	1 Point	13 2	23 36	



# Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Wednesday day of 27 Jan	1875
						Air.	Water.				
1	8		S by E	ENE					Strong breeze and overcast at 6 freshening and squally		
2	8										
3	8										
4	8										
5	8										
6	9		SSE						Middle & latter the same and variously employed		
7	10										
8	10										
9	10										
10	10										
11	10								Pump attended to		
12	10										
1	10										
2	10										
3	10										
4	10		SSE						19 Days out		
5	11										
6	11										
7	11										
8	11										
9	11										
10	11										
11	11										
12	11										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 38° E	237	186.5	145.8	5° 24'	5° 23'	1 1/2°	148	31 08	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Thursday day of 28 Jan	1875
						Air.	Water.				
1	10		S by W	ENE					Fresh breeze and pleasant all sail set & carpenter making main topgallant		
2	10										
3	9										
4	9										
5	9										
6	8			NE					Middle part the same		
7	8										
8	8										
9	8										
10	8										
11	8								Latter hauled most to the outward at 11:30 took in lower stud sail		
12	8										
1	8										
2	8										
3	8										
4	8			Easter					20 Days out		
5	8										
6	8										
7	8										
8	8										
9	8										
10	8										
11	8										
12	8										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
South	200	200	20	2° 23'	1° 33'	1 Point	00	31 08	



# Journal from New York

towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Friday <sup>day of</sup> Jan 1875
						Air.	Water.			
1	8		S by W 1/2 W S E							
2	8									
3	8									
4	8									
5	8		S S W 1/2 W S E							
6	8									
7	8									
8	8									
9	8									
10	8									
11	8									
12	8									
1	8									
2	8									
3	8									
4	8									
5	7									
6	7									
7	7									
8	7									
9	6		S W by S S E by S							
10	6									
11	6									
12	6									

Fresh breeze and pleasant  
all sail set at 4 P M and  
hauling more to the southward  
took in steel sails

Middle part the same

Scatter part wind growing  
lighter

Pump attended to

21 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 16° W	173			1-15	1° 00	1 P	4 17	31° 53'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Saturday <sup>day of</sup> Jan 1875
						Air.	Water.			
1	6		S W by S S E by S							
2	5									
3	5									
4	5									
5	6									
6	6									
7	6									
8	6									
9	6									
10	6									
11	6									
12	5									
1	5									
2	5		S S W S E							
3	5									
4	5									
5	6									
6	6									
7	7									
8	7									
9	8									
10	8									
11	8									
12	8									

Moderate breeze and  
pleasant crew overhauling  
lifts and footropes at 5  
spoke a French bark from  
Rio for Luenstoun

Middle part the same

Scatter breeze freshening

Pump attended to

22 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 17° W	144	137.8	42.8	3° 18	3° 24	1 P	4 2	32° 37	



# Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Sunday day of 31 Jan	1875
						Air.	Water.				
1	6		SSW	SE							
2	6										
3	6										
4	6										
5	6										
6	6		SW by S	SE by E							
7	6										
8	6										
9	6										
10	6										
11	6										
12	6										
1	6										
2	6										
3	6										
4	7										
5	7										
6	7										
7	7										
8	7										
9	7										
10	7										
11	7										
12	7										

Moderate breeze and pleasant at 2 PM sighted Fernando de Noronha keep off and went to leeward

Middle part the same

Latter part fresh breeze and pleasant at 7 a bark in sight bound to the Antwerp

Pumps attended to

23 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 25° W	153	1380	64.8	5° 43'	5° 55'	1° 12' E	64	33° 41'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Monday day of 1 Feb	1875
						Air.	Water.				
1	5		SSW	SE							
2	5										
3	5										
4	5		SE by W	SE by E							
5	6										
6	6										
7	6										
8	6										
9	6										
10	6										
11	6										
12	6										
1	6										
2	6										
3	6										
4	6										
5	6										
6	6										
7	6										
8	6										
9	5										
10	5										
11	5										
12	5										

Light breeze from the Southward and Eastward and pleasant at 8 PM a steamer passed

Middle and Latter the same rose off new lanyard to the fore Rigging

Pumps attended to

24 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 25° W	160	150	110	8° 34'	8° 40'	00	10	33° 41'	



# Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	1875
						Air.	Water.			
1	5		SSW	SE by E					Tuesday day of 2 Feb	
2	5									
3	5									
4	5									
5	5									
6	5									
7	5									
8	5									
9	5									
10	5									
11	5									
12	5									
1	5									
2	5									
3	5									
4	5									
5	5									
6	5									
7	1									
8	1									
9	1									
10	3									
11	3									
12	3									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SE by W	111	10 8.9	21.9	10° 2' 9"	10° 2' 0"		2'	3 1/2 0'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Wednesday <sup>day of 3</sup> Feb 1875
						Air.	Water.			
1	3		SW by S	SE by S					Light baffling breeze from the Southward and Eastward and pleasant	
2	3									
3	3									
4	3									
5	3									
6	3		SSW 1/2 W						Middle part the same	
7	1									
8	5									
9	5								Batter light air and squally wind more to the Southward very unsteady	
10	5									
11	5									
12	5									
1	5								Pump attended to	
2	4									
3	4								26 Days out	
4	4									
5	4									
6	4									
7	4									
8	4									
9	4								Lat. light air and squally wind more to the Southward very unsteady	
10	1									
11	4		SW	SE						
12	4									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SSW 1/4 W	95	8 5.1	11.8	11° 45'	11° 5' 8"	1/2	4' 3"	3 1/2 1 1/2'	



# Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Thursday day of Feb 1875
						Air.	Water.			
1	0								Calm up to 6-30 then fresh breeze and squally from the Eastward wind not steady	
2	0									
3	0									
4	0									
5	0									
6	0								Middle part the same	
7	4		Sly W							
8	8									
9	7								Latter moderate breeze with passing squalls crew overhauling blocks several sails brought to the Northward in sight today	
10	6									
11	4									
12	4									
1	6									
2	6								Pump attended to	
3	6									
4	6									
5	6									
6	6		SSEW	SE						
7	6								27 Days out	
8	5									
9	5									
10	5									
11	5									
12	5									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 1/4 W	100	98 1/2	15.8	13° 31'	14° 06'	1/2	17	33° 00'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Friday day of Feb 1875
						Air.	Water.			
1	6		Sly W	SE by E					Moderate breeze and pleasant crew employed as before	
2	6									
3	6									
4	6									
5	6									
6	6								Middle part the same up to 12 and night then strong breeze and squally	
7	6		S 1/2 W							
8	6									
9	7								Latter strong up to 7 AM then clearing out at 12 noon, calm several sail in sight crew overhauling brace blocks	
10	7									
11	7									
12	7									
1	8									
2	8								Pump attended to	
3	9									
4	9									
5	9									
6	9									
7	8								28 Days out	
8	6									
9	5									
10	4									
11	3									
12	2									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
South	15 1/2	15° 49'	0 0	18° 41'		1/2		38 00	



# Journal from New York

towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	0		W $\frac{1}{2}$ S	S S W					Saturday <sup>day of</sup> Feb 1875  Calce up to 3 PM then light breeze from the Southern several sails in sight at 6 wind hauling more to the Eastward at 5 PM boarded big keels from Rio for New York and sent letters by her
2	0								
3	0								
4	3								
5	1								
6	6		S S W	S E					
7	6								
8	6								
9	6								
10	6								
11	6								
12	6								
1	6								Middle part fresh breeze and squally took in Skey sail  Latter fresh breeze and pleasant all sail set  Pumps attended to  29 Days out
2	6								
3	6								
4	6		S by W						
5	6								
6	6								
7	6								
8	6								
9	6				East				
10	6								
11	6								
12	6								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 18° W	113	107.7	35.1	18° 29'	18° 18'	1/2	38	B 3 38	35-10

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	6		S W by S	N E					Sunday <sup>day of</sup> Feb 1875  Fresh breeze and pleasant keep off abet sat stuck sails crew variously employed  Middle part the same  Latter part the same to 12 noon then wind hauled more to the Westward jibed ship and sat stuck sails on starboard side  Pumps attended to  30 Days out.
2	6								
3	6								
4	6								
5	6								
6	6								
7	6								
8	6								
9	6								
10	6								
11	6								
12	6								
1	6								N E by N
2	6								
3	6								
4	6								
5	6								
6	6								
7	6								
8	6								
9	6								
10	6								
11	6								
12	6								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S S W 1/2 W	144	127.0	61.9	20° 13'	20° 54'	1/2	70	36° 20'	



# Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Monday	day of 8 Feb	1873
						Air.	Water.					
1	7		SW 2 W	NN E					Commenced with moderate breeze from Northward and Eastward and pleasant			
2	7											
3	7											
4	7											
5	7											
6	8								Middle part the same wind inclined more to the Westward all sail set			
7	8											
8	8											
9	8											
10	8			North								
11	8								Latter part fresh breeze and pleasant crew various employed			
12	8											
1	8											
2	8											
3	8											
4	8								Pump attended to			
5	8											
6	8											
7	9											
8	10			NN W								
9	10								31 Days out			
10	10											
11	10											
12	10											

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.			
SW	202	142.8	112.8	23° 2' 6"	23° 3' 9"	42	150	38° 50'				
H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Tuesday	day of 9 Feb	1873
						Air.	Water.					
1	10		SW 2 W	NN W					Strong breeze and pleasant at 4 AM haul'd to NW 2 W took in studd sails and braced up at 6 hauling more to the Southward and squally with sharp lightning took in light sails			
2	10											
3	10											
4	10											
5	5			NW 2 W								
6	5		South 2 W 2 W						Middle part the same at 8.30 wore ship to the Westward heavy squalls with nasty sea from the Southward took in Royals at 11 more settled sat Royals latter weather more settled all sail set			
7	5											
8	5		SW 2 W 2 W 2 E									
9	5											
10	5											
11	5								Pump attended to			
12	5											
1	5											
2	5											
3	5											
4	5								32 Days out			
5	5											
6	5											
7	5											
8	5											
9	5											
10	5											
11	5											
12	5											
Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.			
SW 2 W	140	82.0	113.7	23° 01'	23° 17'		120	40° 54'				



# Journal from New York towards San Francisco.

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	6		SW by W	S by E					Fresh breeze with heavy swell from S W
2	6								
3	6								
4	6								
5	6								
6	6		S W	S S E					Middle part sea going down and wind hauled to the Eastward
7	6								
8	6								
9	8			S E					
10	8								
11	8								Latter part the same at 5 P.M. set Topmast and Lower Stud sails
12	8								
1	8								
2	8								
3	8								
4	6			E S E					Pumps attended to
5	6								
6	6								
7	6								
8	6								
9	6								33 Days out
10	6			East					
11	6								
12	6			N E					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 47° W	158	106.3	116.2	29° 11'	29° 51'		128	42° 58'	42° 53'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	6		SW by S	N E					Commenced with fresh breeze and pleasant from the N E
2	6								
3	6								
4	6								
5	6								
6	6								Middle part wind hauling to the Northward and squally
7	6								
8	6								
9	6		SW by S	N N E					
10	7								
11	7								Latter part the same up to 11 A.M. then wind hauled to the Westward in a squall took in Studding sails at 12 hauling back at Studd sails again
12	7								
1	7		S W	North					
2	7								
3	7								
4	7								Pumps attended to
5	7								
6	7								
7	8								
8	8								
9	8								34 Days out
10	8								
11	8								
12	8		N W						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 20° W	20.4	137.4	137.4	29° 22'			158	43° 31'	



# Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Friday day of 12 Feb 1875
						Air.	Water.			
1	6		SW	NE						
2	6									
3	6									
4	6									
5	6									
6	6									
7	6									
8	6									
9	6									
10	6									
11	6									
12	6									
1	6		SW 1/2 S	North						
2	6									
3	6									
4	6									
5	6									
6	6									
7	5			NE						
8	5									
9	4									
10	4									
11	3									
12	3									

Moderate breeze and pleasant all sail set

Middle part the same

Light breeze

Pump attended to

35 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SW 1/2 S	134	98 8	90.2	31° 10'	31° 56'		103	44° 14'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Saturday day of 13 Feb 1875
						Air.	Water.			
1	0		Calm							
2	0									
3	0									
4	0									
5	3		SW	NE						
6	3									
7	3									
8	4									
9	4									
10	4									
11	4									
12	4									
1	4									
2	4									
3	4									
4	4		SW 1/2 S							
5	6									
6	6									
7	6									
8	6									
9	6									
10	6									
11	6									
12	6									

These 24 hours commenced with calm at 4 P.M. light breeze from NE sat 8th sail on Port-side

Light fresh breeze and overcast

Pump attended to

36 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SW	84	65.5	65.5	32° 01'	32° 03'	1/2 E	76	43° 30'	



# Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	6		SSW 1/2 W	North					Sunday day of 14 Feb 1875 Commenced with moderate breeze from the Northward and breasted all sail set at 6 breeze freshening
2	6								
3	6								
4	6								
5	6								
6	6								
7	7								
8	7		SW by S	NNE					Middle part squally with sharp lightning and heavy thunder and very heavy look took in Studd Sails and light sails at 12 clearing up and wind hauling to the Westward.
9	7								
10	8								
11	8								
12	8								
1	4			NW					
2	4								Latter light breeze and pleasant at 6 sat Topmast and Lower Studding, Sails Pump attended to
3	4								
4	4								
5	4								
6	4								
7	4		SSW 1/2 W	North					
8	4								
9	4								Pump attended to
10	4			NW					
11	5								
12	5								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 30° W	130	105.5	77.4	32° 32'	32° 50'	12 E	91	47° 01'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	5		SW by S	NW					Monday day of 15 Feb 1875 Light breeze and pleasant at 6 P.M. getting squally with sharp lightning and heavy thunder took in Studd Sails and light sails wind very unsteady
2	5								
3	5								
4	5			NNE					
5	5								
6	5		SSW	West					
7	5								
8	5								Middle part the same wind baffling Latter fresh breeze from the Southward and Westward at 10 A.M. wore ship to the West cloudy
9	6								
10	6								
11	6								
12	6								
1	6								
2	6								
3	6								Pump attended to
4	6		S by W	W by S					
5	6								
6	6								
7	6								
8	6								
9	6		SE	SSW					
10	6								38 Days out
11	6		W 1/4 S						
12	6								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SSW 1/4 W	121	103.1	61.9	33° 33'	33° 50'	1/4 E	7 1/2	48° 15'	



## Journal

from New York

towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Tuesday	day of 16 Feb	1875
						Air.	Water.					
1	6		W S W	South								
2	6											
3	6											
4	6											
5	6		S W 1/2 W	S by E								
6	6		S W 1/2 W									
7	6											
8	6											
9	5		S W 1/2 S	East								
10	5											
11	5											
12	4											
1	2											
2	0											
3	0											
4	1		West	S S W								
5	1											
6	1		W by S	S by W								
7	1											
8	1											
9	5											
10	5											
11	6											
12	6											

Fresh breeze and overcast wind not steady

Middle part wind hauled to the Eastward sat Topmast Studding sail at 12 during out at 1 PM calm 3 AM light breeze from the Southward

Later fresh breeze from the Southward

Pumps attended to

37 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
W S W 1/2 W	105	30.1	100.5	36° 00'	35° 54'	1 P E	120	50° 15'	53° 20'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Wednesday	day of 17 Feb	1875
						Air.	Water.					
1	6		S S W 1/2 W	S E								
2	8											
3	8											
4	8											
5	7											
6	7											
7	7		S by W	E S E								
8	7											
9	7											
10	6			East								
11	6											
12	5											
1	5			N E								
2	5											
3	5											
4	5			N by E								
5	5											
6	5											
7	5											
8	5											
9	5			East								
10	5											
11	5											
12	5											

Fresh breeze and pleasant changed the color of the water at 6 wind hauling to the Eastward

Middle part the same at 9 sat Topmast Studding sail wind not steady

Later the same sat Lower Studding sail cleared out the base seat

Pumps attended to

40 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 28° W	140	124.5	65.4	38° 00'		1 P E	82	54° 42'	



# Journal from New York

towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	6		S by W	N by E					Thursday <sup>day of</sup> 18 Feb 1875  Fresh breeze and pleasant all sail set bent new Lower main top sail and top Middle shifted studd sails over to Starboard Latter fresh breeze and cloudy  Pumps attended to  41 Days out
2	6								
3	6								
4	6								
5	6								
6	6								
7	6								
8	6								
9	6		S by W 1/2 W	N by E					
10	6								
11	6								
12	6								
1	7								
2	7								
3	7								
4	7								
5	7								
6	7								
7	7		S by W	N by W					
8	7								
9	7								
10	7								
11	7								
12	7								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 23 W	165	157.3	65.5	40 31		1 Point	84	56 04	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	6		S by W	N W					Friday <sup>day of</sup> 19 Feb 1875  Moderate breeze from NW and overcast wind not steady at 6 PM getting squally  Middle part the same with sharp lightning  Latter light and baffling  Pumps attended to  42 Days out
2	6								
3	6								
4	6								
5	6								
6	6		S S W						
7	6								
8	6								
9	6								
10	6								
11	6								
12	6								
1	6								
2	6								
3	6								
4	6								
5	5								
6	5								
7	4								
8	4								
9	4								
10	4								
11	3								
12	2								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S S W 3/4 W	125	108.4	64.4	42 19	41 56	1 P	87	57 33	

Baffling from all points of the compass



# Journal

from New York

towards San Francisco

H K F

COURSES.

WINDS.

LEEWAY.

Thermometer  
Air. Water.

Barometer.

REMARKS.

Saturday day of 20 Feb

1875

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12

S E by S

Calm to 6 PM then light  
air from the Northward and  
pleasant bent Lower Fore  
Topsail

Middle & Latter the same  
up to 8 AM then thick fog

Therm all arrived

Pumps attended to

43 Days out

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation. Diff. of Lon. Lon. in. Lon. by Ob.  
S E 48 31.8 31.8 42 27 1 P 42 58° 13'

H K F

COURSES.

WINDS.

LEEWAY.

Thermometer  
Air. Water.

Barometer.

REMARKS.

Sunday day of 21 Feb

1875

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12

S E

These 24 hours commenced  
with light air from the West-  
ward at 2 hauld to the Southward  
and Eastward wore ship

Middle part the same up to  
12 mid night then wind hauld  
to the Northward at 4 AM hauling  
more Lat Topsail Studd sail

Latter wind hauling to  
the Southward took in Studd  
sails at 12 a thunder squall

Pumps attended to

44 Days out

S S E West

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation. Diff. of Lon. Lon. in. Lon. by Ob.  
S S E 101 62.4 78.8 43 29 1 1/2 107 60 02



# Journal from New York

towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Monday 22 Feb	1875
						Air.	Water.				
1	5		SSE	SW							
2	5										
3	4										
4	4		SSE	SW by W					Light baffling breeze from the		
5	3								Southward and Westward		
6	3								and pleasant at 8 calm		
7	3										
8	3										
9	0								Middle part of breeze from		
10	2		SW by S	West					the Westward		
11	6										
12	6										
1	6								Latter part at 7 A.M. wind		
2	6								hauling and freshening took		
3	6								in light sails strong breeze		
4	6								and short sea		
5	6										
6	7										
7	8								Pump attended to		
8	8		SSE	SW by W							
9	9										
10	9										
11	9										
12	9										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 24° W	122	111.0	49.3	45° 20'	45° 37'	1 1/2	69	51° 11'	51° 00'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Tuesday 23 Feb	187
						Air.	Water.				
1	8		SSE	SW							
2	8										
3	8								Strong breeze and pleasant with		
4	8								short head sea the same sail set		
5	8								crew hoisting main deck		
6	7								at 6 moderating sail Bayak.		
7	7										
8	7										
9	7								Strong breeze and nasty head		
10	7								sea took in light sails at 11		
11	7								increasing with heavy squalls		
12	7								took my Legaball and 4 fil		
1	7										
2	6								Latter part fresh gale and		
3	6								high sea at 8 reefed main,		
4	6								sail 10 took in fore & main		
5	6								topsails		
6	6										
7	5								Pump attended to		
8	5										
9	4										
10	4										
11	4										
12	4										

SSE	152	149.1	29.7	48° 07'	48° 14'	1 1/2	72	59° 48'		
-----	-----	-------	------	---------	---------	-------	----	---------	--	--

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SSE	152	149.1	29.7	48° 07'	48° 14'	1 1/2	72	59° 48'	



# Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Wednesday day of Feb 187
						Air.	Water.			
1	0		W S W	S by E					At 1 PM wore ship and reefed main topsail matty sea with heavy squalls	
2	5									
3	5									
4	5									
5	5									
6	5									
7	5									
8	5									
9	5									
10	5									
11	5									
12	5									
1	5								Middle part the same	
2	5									
3	5									
4	5									
5	5									
6	5									
7	5									
8	5									
9	5									
10	5									
11	5									
12	5									
1	5								Pump attended to	
2	5									
3	5									
4	5									
5	5									
6	5									
7	5									
8	5									
9	5									
10	5									
11	5									
12	5									

47 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
West	113		113	48° 16'		1/2	228	63° 36'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Thursday day of Feb 1873
						Air.	Water.			
1	0								Calm up to 6 PM light breeze from the Westward and freshning and squally look in fore and thin Breezes, wind not steady hauling to the Southward	
2	0									
3	0									
4	0									
5	0									
6	0		S S E	W by N						
7	1									
8	1									
9	1		South	W S E					Middle part the same	
10	7									
11	7									
12	7		S S E 1/2 E	S E						
1	7									
2	7									
3	7								Latter still hauling to the west and closely haly stoning half deck. Killed a pig	
4	7		S E	S S E						
5	7									
6	7									
7	7									
8	7									
9	7									
10	7									
11	7									
12	7									

Pump attended to

48 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 1/4 E	111	110.3	04.8	50° 05'	49° 31'	2° 10'	07	63° 28'	



## Journal from New York

towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	5		W by S	S by W					Friday day of 26
2	8								
3	8								
4	7		W S W	South					Strong breeze and pleasant at 1 PM more ship to the Westward
5	7								at 8 wind light
6	6		W by S	S by W					
7	5								
8	4		West	S S W					Middle part light breeze from the Southward at 11
9	4								more ship to the Eastward at 12
10	4		S S E	S W					breezing at and hauling to the Westward
11	2								
12	7								
1	9			West					Latter strong breeze at 5 hauls to S W and sea getting up took
2	9								Boys at 6 PM blowing heavy
3	9		S by E	S W by W					at 11 took 10 fathoms high sea ship labbling
4	9								
5	9		S S E	S W	1/2 Pint				Pump attended to
6	9								49 Days out
7	9								
8	9								
9	9								
10	9								
11	9								
12	9								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 34° W	11 1/2	94 1/2	62.5	51° 03'	51° 18'	2 TP	97	65° 06'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	9		S S E	S W					Saturday day of 27 Feb 1875
2	9								Strong breeze and high sea at morning set 10 fathoms
3	9								at 3 Boys and light stay sails
4	7								at 8 wind very light
5	3								
6	4								Middle part at 8 calm and continued so until 1 PM then
7	3								light breeze from S E and ship
8	2								more to the Eastward at 3 hauls
9	0								to the Northward
10	0								
11	0								
12	0								
1	1		S by E	S E					Latter light breeze from the Northward
2	3								
3	4								
4	4								Pump attended to
5	4			North					
6	4								
7	4								
8	4								50 Days out
9	4			N by W					
10	4								
11	4								
12	4								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 7° W	100	98 3	11 1/2	52° 32'	52° 40'	2 TP	19	63° 59'	



# Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Sunday day of 28 Feb	1875
						Air.	Water.				
1	5		South	NW							
2	5										
3	5										
4	5										
5	5										
6	5										
7	5										
8	5										
9	5										
10	5										
11	5			WNW							
12	5										
1	5										
2	5										
3	5			NW							
4	5										
5	5										
6	5										
7	5			North							
8	5										
9	5		SE								
10	5										
11	5										
12	5										

Light breeze from the North ward and pleasant

Middle part the same

Lattee at 5 AM made the land sat studding sails 2 feet of water in main deck tank

Pump attended to

51 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 16 W	113	110.8	30.5	54° 30'	54° 15'	2 IP.	51	64° 50'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Monday day of 1 March	1875
						Air.	Water.				
1	5		SE	North							
2	5										
3	5										
4	5										
5	5										
6	5		SE	NW							
7	1										
8	1										
9	1										
10	2										
11	1										
12	1										
1	7		S by W	WNW							
2	8										
3	8		SE								
4	8										
5	8										
6	7										
7	7										
8	7										
9	7										
10	7										
11	7										
12	7		SE by S	North							

Moderate breeze and pleasant all sail set at 6 wind dying out cape St John bore by compass W S W 10 miles from which take a departure

Middle part light breeze and buffing up to 12 then strong breeze with heavy puff took in Royals and light stay sails

Lattee part weather more settle sat all sail a bark in company going the same way land in sight

Pump attended to

52 Days out

Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 14 W	93	73.1	54° 41'		2 IP	128	65° 35'	



# Journal from New York

towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	7		S W	North					Tuesday day of 2 March 1857
2	7								These 24 hours commenced
3	7								with fresh breeze and pleasant
4	7								at 5 wind hauled to S W and
5	7								heaving took light sails a/c
6	7		S S E	S W					seen in sight by compass S W
7	8		S S E						at 20 miles
8	8								
9	8		S by W	West					Middle part moderate
10	6								gale and high sea with very
11	6		S S W	W by N					heavy squalls at 9 took in
12	6								S of gale and at 10 at 11
1	6								the fresh gale and heavy
2	6								squalls with high sea took
3	6								in main sail and reefed
4	6								topsails several sail in sight
5	5		S S E		2 TP				giving the same and the
6	1				" "				board to the Eastward
7	1				" "				
8	1				" "				Pumps attended to
9	1				" "				
10	4				" "				
11	4				" "				53 Days out
12	4				" "				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 39 W	133	103.3	82.8	57° 21'	57° 21'	2 TP	148	68 03	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	6		S S W	W by N					Wednesday day of 3 March 1857
2	6								At 1 reefed main sail and
3	6								set it blowing heavy and high
4	6								sea at 4 moderating a little
5	5								two Barks in company
6	5								
7	5								Middle part wind dying
8	5								out and sea going down
9	4								at 10 M calm at 3 breeze from
10	4								the Northward all suitable
11	4								sail set
12	4								
1	1								Latter part light breeze from
2	1								the Eastward up to 8 A M
3	0								the breeze freshening and fine
4	2		W S W	W by N					rain at 12 noon set topmast
5	2								and lower studding sails
6	2								
7	2		W by S	East					Pumps attended to
8	2								
9	6								
10	6								54 Days out
11	6								
12	6								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 64 W	90	39.4	80.7	58 00		2 East	152	70 33	



# Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Thursday day of March	1875
						Air.	Water.				
1	7		West	East							
2	7										
3	7										
4	8										
5	8										
6	8		W 1/2 S								
7	9										
8	10			SSO							
9	10										
10	10										
11	10		West	SE							
12	10										
1	10										
2	10										
3	7			SSO							
4	7										
5	7										
6	6										
7	5		WhW	SW							
8	5										
9	5		hW 1/2 h	WSO							
10	5										
11	4										
12	4										

Fresh breeze from the Eastward and thick with rain at took in Studd sail.

Middle part at 8 strong breeze with heavy squalls took in light sails and hauling to the Southward 10 took fore and main topgalsails at 2 am more at 10 lat topgalsails

Latter part at 6 breeze dying out and hauled to all sail set at 11 AM now ship to the Southward wind light and pleasant

Pump attended to  
55 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 63 W	172	78.1	154.3	56° 42'	56° 18'	2 TD	284	75° 19'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Friday 5 day of March	1875
						Air.	Water.				
1	5		SW 1/2 W	NW							
2	5										
3	7										
4	7		WSO								
5	7										
6	7										
7	7										
8	7		West	North							
9	7										
10	7			East							
11	7										
12	6										
1	6										
2	6										
3	4										
4	3										
5	3										
6	3										
7	0										
8	0										
9	0										
10	0										
11	0										
12	0										

Moderate breeze from the Northward and Westward and pleasant at 2 breeze freshening at 7 wind hauled to the Northward and overcast with drizzling rain  
Middle part 9 PM wind hauled to the Eastward at 12 breeze dying out

Latter at 6 AM calm and continued so the rest of these 24 hours

Pump attended to  
56 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 78 W	102	20.9	99.4	56° 28'	56° 33'	2 TD	178	78° 17'	



# Journal from New York

towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	3		S S W	West					Saturday <sup>day of</sup> 6 March 1875  Light baffling breeze from the Westward at 2 PM wore ship to the Northward breeze freshening at 7-30 wore ship to the Southward  Middle part wind not steady wore ship to the Northward at 3:30 AM wore ship to the Southward.  Latter part strong large and high sea at 11 PM in fore & Mizzen topgalsails and 4th ab mast head sea  Pumps attended to  37 Days out
2	3								
3	4		N N W						
4	5								
5	5		N by E						
6	5								
7	5		N 1/2 W	W by N					
8	2								
9	4		S S W	West					
10	4		N N W						
11	6								
12	6								
1	6								Sunday <sup>day of</sup> 7 March 1875  Strong breeze and high sea at 1 PM took in Main topgalsail and 4th ab mast head sea  Pumps attended to  38 Days out
2	6								
3	3		N 1/2 W						
4	6		W S W	N W					
5	7								
6	7								
7	7								
8	7								
9	7		S W by W						
10	5								
11	5								
12	5								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N W 1/2 W	75	45.1	57.7	55° 38'		2 TP	10.4	82° 00'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	5		S W by W	W by N					Sunday <sup>day of</sup> 7 March 1875  Strong breeze and high sea at 2 PM took in Main topgalsail at 7 fresh gale and high sea reefed Main sail and pulled Upper Miz topgalsail  Middle part the same to 12 mid night then moderating at 12 AM Main topgalsail and Miz topgalsail  Latter part breezing on again at 3 AM wore ship and took in Main topgalsail at 12 noon whole gale and high sea pulled Upper topgails and main sail and 4th ab mast head sea getting up  Pumps attended to  38 Days out
2	5								
3	5								
4	5								
5	5								
6	5								
7	5								
8	5								
9	5								
10	5								
11	5								
12	5								
1	5								Monday <sup>day of</sup> 8 March 1875  North
2	5								
3	5								
4	5								
5	5								
6	5								
7	5								
8	5		North						
9	5								
10	4								
11	4								
12	4								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
West	81	00	81.0	55° 38'	55° 42'	2 TP	11.2	82° 22'	



# Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Monday day of March	1875
						Air.	Water.				
1	2		N by W	West	5 Points				Commenced with whole gale and high sea hove to under close reefed Fore & Main Toppa. The 5th mast stay sail and Main Spencer continues to blow. At 12 midnight moderating and sea going down some at 6 made sail as required		
2	2				" "						
3	2				" "						
4	2				" "						
5	2				" "						
6	2				" "						
7	2				" "						
8	2				" "						
9	2				" "						
10	2				" "						
11	2				" "						
12	2				" "						
1	2		N by W	West	" "				Gathered fresh breeze from the Westward with heavy swell		
2	2				" "						
3	2				" "						
4	2				" "						
5	2				" "						
6	2				" "						
7	2				" "						
8	2				" "						
9	2				" "						
10	2				" "						
11	2				" "						
12	2				" "						
1	3		N by W	West	" "				Pump attended to		
2	3				" "						
3	3				" "						
4	3				" "						
5	3				" "						
6	3				" "						
7	3				" "						
8	3				" "						
9	3				" "						
10	3				" "						
11	3				" "						
12	3				" "						

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 39° E	51	28.7	31.9	53° 02'	53° 00'	2 P	58	81° 24'	
H K F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Tuesday day of March 1875	
				Air.	Water.				
1	4	N by W	W by N						
2	4								
3	5								
4	5	N by W	West						
5	5								
6	5								
7	6								
8	6	W by N	S W						
9	6								
10	7								
11	7								
12	7	South							
1	8								
2	8								
3	8								
4	8								
5	8								
6	8								
7	8								
8	8								
9	8								
10	8								
11	8								
12	8	S by E							



# Journal from New York

towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	8		Wh W	SW					Fresh breeze and overcast with heavy squalls
2	8								
3	8		nW by W	SW by W					
4	8								
5	8								
6	8								Middle part wind not steady and very squally at 9 PM took Royals 10 Mizzen Top gal sail & St Gib wind hauling more to the Westward
7	8								
8	8		nn W & W						
9	8								
10	8								
11	8								Latter thick with fine rain sat St Gib Miz Top gal sail and Main Royal
12	8								
1	8		nn W	West					
2	7								
3	7								
4	7								Pump attended to
5	7								
6	7								
7	6								
8	6								
9	6		n by W	W by N					61 Days out
10	6								
11	6								
12	6								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 11° W	165	162°	30.9	50° 03'		2 P	50	82° 50'	8

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	7		n by W	West					Strong breeze from the Westward and overcast with rain squalls at 1 PM sat Royals and Top gal stay sail wind unsteady
2	7								
3	7								
4	7								
5	6								
6	6								Middle part wind hauling more to the Northward at 4 AM wore ship to the Southward
7	5		North	WNW					
8	5								
9	5								
10	5								
11	5		n by E	nW by W					Latter Strong breeze with rain at 1 PM wore ship to the Northward all sail set
12	5								
1	5								
2	5								
3	5								
4	5								Pump attended to
5	5		W by S	NNW					
6	6								
7	6								
8	6								
9	8								62 Days out
10	8								
11	8								
12	3								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N by W	94	91.5	17.0		47° 10'	2 P	26	83° 16'	



# Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	8		North	W by N					Strong breeze and pleasant at 4 modulating a little evening wind scraping at the Mizzen
2	8								
3	8								
4	8								
5	6		N 2 W						
6	6								Middle part at 12 wind hauled more to the Westward at 4 AM hauled back
7	6		North						
8	6								
9	6								
10	6								
11	6								Latter part fresh breeze and pleasant at 7 AM fairer bark loggers both bound to the Southward crew scraping carpenter planing main mast
12	6		N 4 W	W by S					
1	6								
2	6								
3	6								
4	6								Pump attended to
5	6		N by W						
6	6								
7	6								
8	6								
9	6		North						63 Days out
10	6								
11	6								
12	6								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N by E 1/2 E	150	143.1	43.0	45° 17'	45° 14'	2 TP	62	82° 12'	82° 00'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	6		N 1/2 E	W N E					Strong breeze with passing rain squalls at 2 PM breeze freshening with heavy squalls took in Royals crew scraping
2	7								
3	8								
4	8								
5	8								
6	8								Middle part strong breeze and heavy squalls and sea getting up at 1 AM took in Miz Topgall sail and 2nd Gib increasing at 2 took in 3rd Topgall sail wind hauling more to the Westward
7	9								
8	9								
9	10		N by W	W by N					
10	10								
11	10								Latter fresh breeze and pleasant all sail set crew employed as before
12	10		N N W	West					
1	9								
2	9								
3	9								
4	9								Pump attended to
5	8								
6	8								
7	8								
8	7								
9	7								64 Days out
10	7								
11	7								
12	7								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N by E	195	181.5	38.0	42° 03'	42° 07'	2 TP	53	81° 08'	



## Journal from New York

towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	1		N by W	W by N					Sunday day of March 1875
2	1								
3	1								
4	1								
5	6		N by W	West					Fresh breeze and overcast with passing rain squalls crew scraping
6	6								
7	6								
8	6								
9	6		N by W						Middle part the same
10	6								
11	6								
12	6								
1	5		N W	W 8 W					Lighter light and baffling a ship in company
2	5								
3	5								
4	5								
5	5								Pumps attended to
6	5								
7	5								
8	5								
9	5		N by W						65 Days out
10	2								
11	1								
12	1								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
North	126	126		40° 01'	40° 00'	2 W	11	81° 08'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	5		N by W	W by N					Monday day of March 1875
2	5								
3	6								
4	6								
5	6								Moderate breeze and pleasant at 6 AM carried away truss to Main Top gal up and
6	6								
7	6								Middle part the same with passing rain squalls at 2 PM wind hauling more to the southward
8	6								
9	6								
10	6								
11	6								
12	6								
1	7								Lighter part fresh breeze and overcast crew scraping yards
2	7								
3	7		N W	W 8 W					Pumps attended to
4	7								
5	7		N W by N						66 Days out
6	7								
7	8								
8	8		N by W						
9	8								
10	8								
11	8								
12	8								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 1/4 E	158	158	07.1	37° 21'	37° 17'	2 W	1 1/2	80° 18'	



# Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Tuesday	day of March	1875
						Air.	Water.					
1	7		NW by W 2 W	WSW								
2	6											
3	5											
4	5											
5	5											
6	5			SSW								
7	5											
8	5											
9	5											
10	5			SS								
11	5											
12	5											
1	4											
2	4											
3	4											
4	4											
5	4											
6	4											
7	4											
8	4											
9	4											
10	4											
11	4											
12	4											

Fresh breeze to 2 PM then breeze dying out at 6 wind light and hauling to the Southward. Killed a pig

Middle part light breeze at 10 hauled to SE sat Studd sails

Latter light breeze and pleasant shifted Lower Mizzen Topsail scraping Spanker Boom

Pumps attended to  
67 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NW	111	78.5	78.5	35-38	35-52	1 1/2	97	82° 25'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Wednesday	day of March	1875
						Air.	Water.					
1	4		NW by W 2 W	SSW								
2	3											
3	3											
4	3											
5	3											
6	4											
7	4											
8	4											
9	4											
10	5											
11	5											
12	5											
1	6											
2	6											
3	6											
4	6											
5	6											
6	5											
7	5											
8	5											
9	5											
10	5											
11	5											
12	5											

Light breeze from the Southward and Eastward and pleasant shifted Fore & Main sails

Middle & Latter the same crew scraping

Pumps attended to  
68 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NW	114	80.6	80.5	34' 36"	34' 30"	1 1/2	98	84° 03'	



# Journal from New York

towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	5		Wh W	SE					Thursday <sup>day of</sup> 18 March 1875
2	5								
3	5								
4	5								
5	5								
6	5								
7	5								
8	5								
9	5								
10	5								
11	5								
12	5								
1	4								
2	4								
3	4								
4	4								
5	4								
6	4								
7	4								
8	4								
9	4								
10	4								
11	4								
12	4								

These 24 hours light breeze from the S and Pleasant crew scraping and oiling spars

Pumps attended to

69 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NW	108	76 1/4	76 1/4	33° 14'	33° 13'	2 TP	9 1/2	85° 33'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	4		NW by W 2/3 W	SE					Friday <sup>day of</sup> 19 March 1875
2	4								
3	4								
4	4								
5	4								
6	4								
7	4								
8	5								
9	5								
10	5								
11	5								
12	5								
1	5								
2	5								
3	5								
4	5								
5	4								
6	4								
7	4								
8	2								
9	0								
10	0								
11	0								
12	0								

First and Middle part light air from the S. and Pleasant

Latter the same to 8 AM then calm finished scraping

Pumps attended to

70 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NW	87 1/2	61 1/2	61 1/2	32° 14'	32° 19'	1 1/2	72 1/2	86° 41'	



# Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	4		N by W 20	W by S					These 24 hours light breeze from the Westward and pleasant cleaning up of half deck
2	4								
3	4								
4	4								
5	4								
6	4								
7	4								
8	4								
9	4								
10	4								
11	4								
12	5								
1	5								Pump attended to
2	5								
3	5								
4	5								
5	5								
6	5								
7	5								
8	5								
9	5								
10	6								
11	6								
12	6								

71 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
North	112	112	10	30° 23'	30° 22'	1 1/2		86° 47'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	6		N 42 W	W by N					These 24 hours light baffling breeze from the Westward and pleasant
2	6								
3	6								
4	6								
5	6								
6	6								
7	6								
8	6								
9	5								
10	5								
11	5								
12	5								
1	5								Pump attended to
2	4								
3	4								
4	4								
5	5								
6	5								
7	5								
8	5								
9	5								
10	5								
11	5								
12	5								

72 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N by E	112	114.8	22.8	28° 27'	28° 31'	1 1/2	26	86° 21'	86° 56'



# Journal from New York

towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	3		N by W 1/2 W	West					Monday <sup>day of</sup> 22 March 1875  Light baffling breeze from the Westward and pleasant at 8 hauling more to the South wind and Eastward at 11 and lower studd sails
2	3								
3	3								
4	3								
5	3								
6	3								
7	3								
8	3			SE					
9	2								
10	2								
11	2								
12	2								
1	3		N W	South					Dull at 10 jibed ship and set studd sails on port Starboard side crew painting half deck  Pumps attended to 73 Days out
2	3								
3	3								
4	3								
5	3								
6	3								
7	3			SE					
8	3								
9	3								
10	2								
11	2								
12	2								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 14° W	63	61.1	15.4	25° 30'	25° 25'	1 1/2	1°	87° 13'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	3		N W	N E by N					Tuesday <sup>day of</sup> 23 March 1875  Light baffling breeze from the Westward and pleasant crew painting half deck  Middle wind hauling to the Eastward and freshening  Duller but moderate trade and pleasant crew oiling spar and bolystoning half deck  Pumps attended to 74 Days out
2	3								
3	3								
4	3								
5	4								
6	4			NE					
7	4								
8	4								
9	5								
10	5			ENE					
11	6								
12	6								
1	6								
2	6								
3	6			SE					
4	6								
5	6								
6	6								
7	6								
8	6								
9	6								
10	6								
11	6								
12	6								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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N 14° W	123	108.5	38.0	25° 37'	25° 28'	1 1/2	6'	88° 18'	
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# Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	5		NW by W	SE					Wednesday <sup>day of</sup> 24 March 1875  Light trials and pleasure crew variously employed
2	5								
3	5								
4	5								
5	5								
6	5								
7	5								
8	5		NW						Pumps attended to
9	5								
10	5								
11	5								
12	5								
1	5								
2	5								
3	5		NW by W						75 Days out
4	5								
5	5								
6	5								
7	5								
8	5								
9	5								
10	5								
11	5								
12	5								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 4 1° W	110	83.1	72.9	21° 05'		1° P	86	89 38	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	5		NW by W	SE					Thursday <sup>day of</sup> 25 March 1875  Light trials and pleasure crew variously employed
2	5								
3	5								
4	5								
5	5								
6	5								
7	5								
8	5								Middle part the same at 11 p.m. ship and set Studd sails on Port side
9	5								
10	5								
11	5								
12	5								
1	5								
2	5								
3	5								Latter shifted Studd sail on Starboard side painting iron work aloft
4	5								
5	5								
6	5								
7	5								
8	5								
9	5								
10	5								Pumps attended to
11	5								
12	5								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 20	10.8	177.1	177.5	22 48	22 41	1° P	84	91 02	



# Journal from New York

towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	5		NW	SE					Friday <sup>day of</sup> March 1873  Light trail through there 24 hours and pleasant crew variously employed  Pumps attended to  77 Days out
2	5								
3	5								
4	5								
5	5								
6	5		NW by W						
7	5								
8	5								
9	5								
10	5								
11	5								
12	5								
1	5								
2	5								
3	5								
4	5								
5	5								
6	5								
7	5								
8	5								
9	5								
10	5								
11	5								
12	5								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 42° W	120	88.0	81.1	21° 13'	21°	1° 10'	8.8	92° 30'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	5		NW by W	SE					Saturday <sup>day of</sup> March 1873  These 24 hours light trail and pleasant  Latter part commenced tarring down carpenter walking top of after house  Pumps attended to  78 Days out
2	5								
3	5								
4	5								
5	5								
6	5								
7	5								
8	5								
9	5								
10	5								
11	5								
12	5								
1	5								
2	5								
3	5								
4	5								
5	5								
6	5								
7	5								
8	5								
9	5								
10	5								
11	5								
12	5								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 80	128	90.5	90.5	19° 48'	19° 54'	1° 10'	9.6	94.6	



# Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Sunday day of 28 March 1873
						Air.	Water.			
1	5		NW by W	SE					Light traids and pleasant through these 24 hours crew employed as before	
2	5									
3	5									
4	5									
5	5									
6	5									
7	5									
8	5									
9	5									
10	5									
11	5									
12	5									
1	5								Pumps attended to	
2	5									
3	5									
4	5									
5	5									
6	5									
7	5									
8	5									
9	5									
10	5									
11	5									
12	5									

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NW	120	84.9	84.9	18 29	18 28	1 TP	90	95° 36'	96° 23'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Monday day of 29 March 1873
						Air.	Water.			
1	5		NW by W	SE					Light traids and pleasant through these 24 hours	
2	5									
3	5									
4	5									
5	5									
6	5									
7	5									
8	5									
9	6									
10	6									
11	6									
12	6									
1	6		NW by W	SE					Carpenter calking and crew finished tarring	
2	6									
3	6									
4	6									
5	6									
6	6									
7	6									
8	6									
9	6									
10	6									
11	6									
12	6									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NW by N	135	104.9	85.9	16 43	16 32	1 TP	90	97° 53'	



# Journal from New York

towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	E		NW 2W	SE by E					Tuesday day of 30 March 1875
2	E								
3	E								
4	E								Moderate trade and pleasant
5	E								
6	E		NW by E						
7	E								
8	E								Middle breeze freshening with falling rain squalls
9	E								
10	E								
11	E								
12	E								Batter had the same crew variously employed
1	E								
2	E								
3	E								
4	E								
5	E								
6	E								Drum attended to
7	E			EE					
8	E								
9	E								
10	E								81 Days out
11	E								
12	E								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 44° W	153	111.9	106.8	14° 4' 0"	14° 3' 6"	17° 10'	110	99° 43'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	7		NW	EE					Wednesday day of 31 March 1875
2	7								
3	7								
4	7								Fresh trade and pleasant crew variously employed
5	7								
6	7								
7	7								
8	7								
9	8								Middle & Batter the same
10	8								
11	8								
12	8								Drum attended to
1	8								
2	8								
3	8								
4	8								
5	8								82 Days out
6	8								
7	8								
8	8								
9	7								
10	7								
11	7								
12	7								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 90° by N	180	149.7	110.0	12° 0' 2"	12° 0'	17° 10'	10' 3"	101° 26'	



# Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Thursday day of April 1875
						Air.	Water.			
1	7		NW	ESE					Fresh trades and pleasant crew variously employed	
2	7									
3	7									
4	7									
5	7									
6	7									
7	7									
8	7									
9	8									
10	8									
11	8									
12	8									
1	8								Middle & Latter the same	
2	8									
3	8									
4	8									
5	8									
6	8									
7	8									
8	8									
9	8									
10	8									
11	8									
12	8									
									Pumps attended to	
									8 3 Days out	

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NW 1/4 N	184	1 1/2 3	109.5	9° 32'	9° 32'	3/4	111	103 1/2	104-20

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Friday day of April 1875
						Air.	Water.			
1	8		NW 1/2 N	SE by E					Fresh trades and pleasant crew variously employed	
2	8									
3	8									
4	8									
5	8									
6	8									
7	8									
8	8									
9	8									
10	7									
11	7									
12	7									
1	7								Pumps attended to	
2	7									
3	7									
4	7									
5	7									
6	7									
7	7									
8	7									
9	E									
10	E									
11	E									
12	E									
									8 1 Days out	

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NW 1/2 NW	178	1 1/2 4	24.0	6° 53'	6° 45'	3/4	7 1/2	106 36	107 12



# Journal from New York towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	E		NW by N	SE					<p>These 24 hours light trade and pleasant crew scrubbing paint work</p> <p>Pump attended to</p> <p>85 Days out</p>
2	E								
3	E								
4	E								
5	E								
6	E								
7	E								
8	E								
9	E								
10	E								
11	E								
12	E								
1	E								
2	E								
3	E								
4	E								
5	E								
6	E								
7	E								
8	E								
9	E								
10	E								
11	E								
12	E								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NW by W	144	130.2	61.5	4° 34'	4° 18'	1/4	63	108 15	

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	E		NW	SE by S					<p>First part light and pleas ant crew scrubbing paint</p> <p>Middle part breeze freshening and squally</p> <p> Latter fresh breeze and pleasant</p> <p>Pump attended to</p> <p>86 Days out</p>
2	E								
3	E								
4	E								
5	E								
6	E								
7	E								
8	E		NW by N	SE					
9	E								
10	E								
11	E								
12	E								
1	E								
2	E								
3	E								
4	E								
5	E								
6	E								
7	E								
8	E		NW	SE					
9	E								
10	E								
11	E								
12	E								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 21° W	158	140.0	71.9	2° 28'	2° 22'	1/2	78	109 28	



Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Monday <sup>day of</sup> April 1875
						Air.	Water.			
1	6		NW 2h	ESE						
2	6									
3	6									
4	6									
5	6									
6	6									
7	6									
8	6									
9	6									
10	6									
11	6									
12	6									
1	6									
2	6									
3	6									
4	6									
5	6									
6	6									
7	6									
8	6									
9	6									
10	6									
11	6									
12	6									

Moderate breeze and pleasant

Middle part wind hauled more to the Eastward not steady crew variously employed

Pump attended to

87 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NW 2h	131	108.9	72.8	33.8	2.5	1/2	7.3	110° 41'	111° 49'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Tuesday <sup>day of</sup> April 1875
						Air.	Water.			
1	7		NNW	E by N						
2	7									
3	7									
4	7									
5	7									
6	7									
7	7									
8	7									
9	7									
10	7									
11	7									
12	7									
1	7									
2	7									
3	7									
4	7									
5	7									
6	7									
7	7									
8	7									
9	7									
10	7									
11	7									
12	7									

These 24 hours fresh breeze from the Eastward and pleasant crew variously employed

Pump attended to

88 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NNW 2h	168	160.8	18.8	2° 15'	2° 23'	1/2	3° 0'	112° 39'	



# Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	6		h h 20	East					Wednesday day of April 1875
2	6								
3	6								
4	6								
5	6								
6	6								
7	6								
8	6								
9	6								
10	6								
11	6								
12	3								
1	5								
2	5								
3	5								
4	5								
5	5								
6	5								
7	6								
8	6								
9	6								
10	6								
11	6								
12	6								

Moderate breeze and pleasant throughout the 24 hours at 12 wind hauled to h & crew painting on main deck

Pump attended to

89 Days out

h & h & o

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
h & h & o	137	1290	46.2	4 57	4 50	1/2	47	113 26	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	6		h & h & o	h & h & o					Thursday day of April 1875
2	6								
3	6								
4	7								
5	7								
6	8								
7	8								
8	8								
9	8								
10	8								
11	8								
12	8								
1	8								
2	8								
3	8								
4	8								
5	8								
6	8								
7	8								
8	8								
9	8								
10	8								
11	8								
12	8								

Fresh breeze and pleasant at 2 PM took in studding sail crew painting

Middle part strong breeze and sea getting up and squally

Later strong breeze and squally

Pump attended to

90 Days out

h & h & o

h & h & h & o

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
h 15 20	182	175.7	47.5	7 43	7 13	1/2	49	114 13	



# Journal from New York towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	8		NW 1/2 N	NE					Friday day of 9 April 1875  Strong breeze and squally with nasty head sea at 6 P.M. in light sails crew variously employed  Middle part the same  Latter strong breeze and pleasant sea still keeps up crew busy stowing top of after house  Pumps attended to 91 Days out
2	8								
3	8								
4	8								
5	8								
6	8								
7	8								
8	8								
9	8								
10	8								
11	8								
12	8								
1	8		NW 1/2 N	NE					
2	8								
3	8								
4	8								
5	8								
6	8								
7	8								
8	8								
9	8								
10	8								
11	8								
12	8								

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 35° W	192	157.5	109.2	10° 2' 0"	10° 2' 1"	1/2	111	116° 0'	

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	8		NW	NE					Saturday day of 10 April 1875  Strong breeze and squally and high head sea crew employed as before  Middle part sea going down sat the Royals  Latter sea going down and pleasant all sail set crew busy stowing half deck  Pumps attended to 92 Days out
2	8								
3	8								
4	8								
5	8								
6	8								
7	8								
8	8								
9	8								
10	8								
11	8								
12	8								
1	8		NW 1/2 N	NE					
2	8								
3	8								
4	8								
5	8								
6	8								
7	8								
8	8								
9	8								
10	8								
11	8								
12	8								

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 37° W	190	154.0	114.2	12° 5' 5"	12° 3' 7"	1/2	176	118° 0'	



# Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Sunday 11 <sup>th</sup> of April 1875
						Air.	Water.			
1	8		NW	hh E					Strong breeze and pleasant all sail set crew employed as before	
2	8									
3	8									
4	8									
5	8									
6	8									
7	8									
8	8									
9	8									
10	8									
11	8									
12	8									
1	8								Midle & Latter the same	
2	8									
3	8									
4	8									
5	8									
6	8									
7	8									
8	8									
9	8		NW 1/2 W							
10	8									
11	8									
12	8									
1	8								Pumps attended to 93 Days out	
2	8									
3	8									
4	8									
5	8									
6	8									
7	8									
8	8									
9	8									
10	8									
11	8									
12	8									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 40 W	193	146.3	124.5	15° 24'	15° 28'	42	12° 8'	120° 10'	122° 30'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Monday 12 <sup>th</sup> of April 1875
						Air.	Water.			
1	8		NW 1/2 W	hh E					Strong breeze and pleasant up to 8 PM then breeze dying out	
2	8									
3	8									
4	8									
5	8									
6	8									
7	8									
8	8									
9	7									
10	6									
11	6									
12	6									
1	6								Midle part light baffling breeze and squally  Latter part the same crew variously employed  Pumps attended to  94 Days out	
2	5									
3	3									
4	4									
5	4		NW 1/2 W							
6	4									
7	4									
8	4									
9	4									
10	4									
11	3									
12	3									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 43° 10'	138	100.4	95.3	17° 08'	17° 00'	3/4	100	124° 10'	



# Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	4		NW	NNE					Tuesday <sup>day of</sup> 13 April 1875 Light baffling breeze and pleasant crew employed as before
2	4								
3	4								
4	4								
5	4								
6	4								Middle & Latter the same
7	4								
8	5								
9	5								
10	5								
11	3		NW 1/2 W						Pumps attended to
12	2								
1	2								
2	2								
3	2								
4	2								98 Days out
5	2								
6	3								
7	3								
8	3								
9	3		W by N	N by W					
10	3								
11	2								
12	2								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 44° 30'	75	54 5'	52 3'	17° 51'	17° 40'	1/4	56	125° 06'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	2		W by N	N by E					Wednesday <sup>day of</sup> 14 April 1875 Light baffling air from the Westward and pleasant holy storming & gale force
2	2								
3	2								
4	2								
5	2								
6	2								Middle part the same
7	2								
8	2								
9	3		WN 80	North					
10	3								
11	3								Latter part at 4 PM very freshening holy storming top of Stewart house
12	2								
1	1								
2	0								
3	2								
4	1								Pumps attended to
5	5		NW by W	N by E					
6	5								
7	5								
8	5								
9	5		NN 80	N E					96 Days out
10	5								
11	5								
12	5								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 41° 30'	66	49 8'	43 8'	18° 29'	18° 33'	1/4	47	125° 53'	



# Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Thursday <sup>day of</sup> April 1875
						Air.	Water.			
1	4		N by W	N E by E					Light baffling breeze and pleasant crew thoroughly employed	
2	4									
3	4									
4	4									
5	4									
6	4									
7	4									
8	4									
9	3								Middle part the same	
10	3									
11	3									
12	3								Scatter breeze freshening and pleasant painting ship in side	
1	3		N W by N	N E by N						
2	3									
3	3									
4	3									
5	4									
6	4									
7	4									
8	4								Pumps attended to	
9	4									
10	4									
11	3									
12	3								97 Days out	

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 12° W	80	78.5	17.5	19° 31'	19° 54'	1 P.	19	125 12	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Friday <sup>day of</sup> April 1875
						Air.	Water.			
1	5		N W by W	N by E					Moderate breeze and pleasant throughout these 24 hours	
2	5									
3	5									
4	5									
5	5									
6	5									
7	5		N N W	N E						
8	5									
9	5								Pumps attended to	
10	5									
11	5									
12	5									
1	5								98 Days out	
2	5									
3	5									
4	5									
5	5		N W by N	N E by N						
6	5									
7	5									
8	5									
9	5									
10	5									
11	5									
12	5									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 23° W	118	107.2	48.3	21 42	22 05	1 P.	50	127 12	



# Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Saturday day of 17 April 1875
						Air.	Water.			
1	6		11N20	NE					Light baffling breeze and pleasant painting ship outside	
2	6									
3	6									
4	6									
5	6									
6	6									
7	6								Middle part the same up to 1 am wind strong out at 4 buzzing up again with falling rain squalls	
8	6									
9	6									
10	6									
11	6									
12	6									
1	5								Latter part the same passed several rogs	
2	2									
3	2									
4	2									
5	5								Damp attended to 99 Days out	
6	6		11N20 1/2 W							
7	6									
8	6									
9	6									
10	6									
11	6									
12	6									

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
11 1/2° W	130	12 1/2	29.4	21° 11'	21° 13'	11P	3'2"	127° 34'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Sunday day of 18 April 1875
						Air.	Water.			
1	6		11 by W	NE by E					Moderate breeze and pleasant crew variously employed	
2	6									
3	6									
4	6									
5	6									
6	6									
7	6								Middle & Latter the same	
8	6									
9	6									
10	6									
11	6		11N20							
12	6									
1	5								Damp attended to 100 Days out	
2	5									
3	5									
4	5									
5	5									
6	5									
7	5									
8	5									
9	5									
10	5									
11	5									
12	5									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
11 23° W	132	12 1/2	30.5	21° 03'	21° 12'	11P	3 1/4"	128° 28'	



# Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	5		h n w	h e					Monday <sup>day of</sup> 19 April 1875  Light baffling breeze, and pleasant at times, full breeze and then a calm with very unsteady
2	5								
3	5								
4	5								
5	5								
6	5								
7	5								
8	5								
9	5								
10	5								
11	5								
12	5								
1	3								Middle & Latter the same  Pump attended to  101 Days out
2	3								
3	3								
4	3								
5	3								
6	2								
7	1								
8	1								
9	1								
10	3								
11	3								
12	3								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
h by w	100	98.1	19.5	27° 54'	27° 54'	11P	22	128° 30'	131° 30'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	1		h W by h	h E by h					Tuesday <sup>day of</sup> 20 April 187  Light baffling breeze from the Northward and Eastward and pleasant crew variously employed  Middle part wind hauling more to the Eastward at 4 AM to S E  Latter part light breeze from the Northward & at studd sails on starboard side  Pump attended to  112 Days out
2	5								
3	5								
4	5								
5	5								
6	5								
7	5								
8	5								
9	5								
10	5								
11	5								
12	5								
1	5		North	h n e					
2	1								
3	1								
4	1			S E					
5	1								
6	1								
7	1								
8	1								
9	1								
10	1			S S E					
11	1								
12	1								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
				28° 34'	28° 17'	11P	15	130° 45'	



# Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	5		N by E	SSE					At 12-30 ybed ship and set Studd sails on Port side finished paring out side at 6 which hauled more to the Southward
2	3								
3	5								
4	5								
5	5								
6	5								
7	5		South	SSE					Middle part the same breeze freshening a little and overcast
8	5								
9	5								
10	5								
11	6								
12	6								
1	6		SSE	SSE					Latter fresh breeze with drizzling rain. Hoisting main deck
2	6								
3	6								
4	7								
5	7								
6	7								
7	7		SSE	SSE					Pumps attended to
8	7								
9	7								
10	8								
11	8								
12	8								

103 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
North	146	14'		31° 43'		1° 10'		130° 45'	
H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	6		North	SSE					Moderate breeze from the Southward and Westward and working to the Northward
2	6								
3	6								
4	6								
5	6								
6	5								
7	5		N 1/2 E	WNW					Middle part wind hauled to NE and light
8	5								
9	5								
10	5								
11	5								
12	5								
1	5		NE	NNE					Latter more to the Northward a sail in sight standing the same way and variously employed
2	5								
3	5								
4	5								
5	6								
6	6								
7	6		N 1/2 E	NNE					Pumps attended to
8	6								
9	6								
10	6								
11	6								
12	6								
Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 37° E	128	75'	75'	33° 13'	33° 00'	1° 10'	8' 8"	128° 16'	

104 Days out



# Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Friday <sup>day of</sup> 23 April 1873
						Air.	Water.			
1	5		NW 1/2 W	h h E					At 12 30 wind hauled wore ship to the Westward heavy swell from the Northward	
2	5									
3	5									
4	5									
5	5									
6	5									
7	5								Middle gornet not steady and light	
8	5									
9	5		NW 1/2 h	h E 1/2 h						
10	5									
11	5		NW 1/2 h						Better the same crew variously employed	
12	5									
1	5									
2	5									
3	5								Pumps attended to	
4	5									
5	5									
6	5									
7	5								108 Days out	
8	5									
9	5		NNW	h E						
10	5									
11	5									
12	5									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 27° W	114	101.1	52.3	34° 41'	34° 43'	12°	02	129° 18'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Saturday <sup>day of</sup> 24 April 187
						Air.	Water.			
1	5		NW	ENE					Light baffling breeze from NE and pleasant at 2 PM wind hauled wore ship to the Eastward	
2	5									
3	5		E 1/2 N	N 1/2 E						
4	5									
5	5									
6	5									
7	5								Middle part the same	
8	5									
9	5									
10	4									
11	4								Better part at 4 P M wind hauled to the Westward crew variously employed	
12	4									
1	4									
2	4									
3	4								Pumps attended to	
4	4									
5	5		NE	NNE						
6	5									
7	5								106 Days out	
8	5									
9	5									
10	5									
11	5									
12	5									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 77° E	96	21.5	93.3	35° 15'	34° 58'	1 1/2	11' 3"	122° 23'	



# Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	5		h e h	h e					Fresh breeze from the North West with heavy swell crew variously employed
2	5								
3	5								
4	5								
5	5								
6	5								
7	5								
8	5								
9	5								
10	5								
11	8								Middle part the same
12	8								
1	8								
2	8								
3	7								
4	7								
5	7								
6	7								
7	7								
8	7								
9	8								Latter part the same
10	8								
11	7								
12	5								

Tamps attended to  
107 Days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
h e h	166	92.2	138.0	34 30	34 33	2 #	149	124 34	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS
						Air.	Water.		
1	7		h h e	h w by w					Fresh breeze and pleasant bent the chains and got the anchors on the reel
2	8								
3	5								
4	5								
5	8								
6	8								
7	7								
8	5								
9	5								
10	5								
11	5		h e h h h e						Middle part moderate and wind hauling more to the Northward
12	5								
1	5								
2	5								
3	5								
4	5								
5	5								
6	5								
7	3								
8	2								
9	2								Latter part light breeze and heavy swell at 9 calm and ship rowling heavy
10	0								
11	0								
12	0								

Tamps attended to  
108 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
h e	128	88.1	88.7	58 02		1 1/2	112	122 44	



# Journal from New York

towards San Francisco

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	1875
						Air.	Water.			
1	2		By 8						Tuesday <sup>day of</sup> April	
2	2									
3	2									
4	2									
5	2		By 8						Light air and very heavy swell	
6	2									
7	2									
8	2									
9	2		By 8 1/2						Middle part the same	
10	2									
11	2									
12	2									
1	2		By 8 1/2						Latter calm two sails in sight	
2	2									
3	2									
4	2									
5	1		1						Drops attended to	
6	1									
7	1									
8	1									
9	1		1						109 Days out	
10	1									
11	1									
12	1									

From all points of the compass

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
ENE 1/4 E	32	10 1	30 7	37° 52'	37° 33'	1 1/2	3° 8'	122° 15'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	1875
						Air.	Water.			
1									Wednesday <sup>day of</sup> April	
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
1									Light baffling air from all points of the compass at 10 PM made Farallones light bore by compass ENE 12 miles at 4 AM got a pilot from boat No 3 at 2 came to anchor of North point dock 45 fathoms to the water edge on bent the sails so ends this passage 110 Days	
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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Journal from

towards

187

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	day of	187
						Air.	Water.				
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
---------	-----------	---------------	------------	---------------	-------------	------------	---------------	----------	-------------

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
---------	-----------	---------------	------------	---------------	-------------	------------	---------------	----------	-------------



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	day of	1875
						Air.	Water.				
1										Friday	2 July
2									At 11 AM finished loading		
3									at 12 " " dropped in the stern		
4									and crew came on board		
5									ship draft 20.6		
6									July 3 <sup>rd</sup> at 1 PM Pilot came		
7									on board 2 tug came along		
8	7		SW	SE					side and took us in sea at 3		
9	7								30 Pilot left at 8 Farallones four		
10	6								W dis 3 miles from which I		
11	6								took my departure fresh breeze		
12	5								from S E and hazy with very		
1	4								heavy swell from the Westward		
2	4								at 10 wind dying out		
3	4										
4	3								Latter part wind light and		
5	3								buffing all sail set got the		
6	3								anchors on the board		
7	3										
8	3										
9	3										
10	3										
11	3										
12	3										
									Day out		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SW by W	67	37.2	55.7	37 15'		1 IP	89	121 30'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	1875
						Air.	Water.				
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

*Sunday 2 July*

*Light airs and calms  
with thick fog through  
out these 24 hours.*

*Pumps attended to*

*2 Days out*

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
South	55	55		36 30'		1 Point			121 30'



Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Monday day of July	1875
						Air.	Water.				
1	0										
2	0										
3	0										
4	2		S by E	S by W							
5	3										
6	3										
7	3										
8	3										
9	3										
10	3										
11	4										
12	4										
1	4										
2	6			S E							
3	6										
4	6										
5	6										
6	6			West							
7	6										
8	6										
9	6										
10	6										
11	5										
12	5										

These 24 hours commenced with calm and hazy with drizzle rain at 3 PM light breeze from the Southward and Westward

Middle part light breeze and thick with drizzling rain at 1 A M breeze freshening and hauling more to the Northward

Latter part the same but Coasting & Lower Studdel Sails crew employed putting on chafing gear

Pumps attended to  
3 Days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
South	96	96	10	32 54		1 P			121 30

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Tuesday day of July	1875
						Air.	Water.				
1	5		S by E & E	W							
2	5										
3	6										
4	6										
5	6										
6	6										
7	6										
8	6										
9	6										
10	6										
11	6										
12	6										
1	6										
2	6										
3	5										
4	5										
5	5										
6	5										
7	5										
8	5										
9	5										
10	5										
11	5										
12	5										

Light baffling breeze from the Northward and Westward and overcast thought these 24 hours crew variously employed

Pumps attended to  
4 Days out

Baffling

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
South	132	132		32 42	40	1 1/2			



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer Air. Water.	Barometer.	REMARKS.
1	5		Sly E					Wednesday <sup>day of</sup> July 1875
2	5							
3	5							
4	5							
5	5							Light baffling breeze and
6	5							overcast thought these 24 hours
7	5							crew variously employed.
8	5							
9	5							
10	5							
11	5							5 Days out
12	5							
1	5							
2	5							
3	5							
4	5							
5	5							
6	5							
7	5							
8	5							
9	5							
10	5							
11	5							
12	5							

Baffling from the Northward and Westward

Light baffling breeze and overcast thought these 24 hours crew variously employed.

5 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
South	120	12°0		30°42	32°-14	1P		121°50	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer Air. Water.	Barometer.	REMARKS.
1	5		Sly E					Thursday <sup>day of</sup> July 1875
2	5							
3	5							
4	5							Light baffling breeze from
5	5							the Northward and overcast
6	5							thought these 24 hours
7	5							crew variously employed
8	5							
9	5							
10	5							
11	5							
12	5							
1	5							
2	5							
3	5							
4	5							
5	5							
6	5							
7	5							
8	5							
9	5							
10	5							
11	5							
12	5							

Baffling from N to North and very light

Light baffling breeze from the Northward and overcast thought these 24 hours crew variously employed

Trump attended to

6 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
South	82	8°2		30°54	No	1P			



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Saturday day of July	1875
						Air.	Water.				
1	3		Sby E								
2	3										
3	3										
4	3										
5	3										
6	3										
7	3										
8	3										
9	3										
10	3										
11	3										
12	3										
1	3										
2	3										
3	3										
4	3										
5	3										
6	3										
7	3										
8	3										
9	3										
10	3										
11	3										
12	3										

Light baffling air from the Northward

First and Middle part light baffling air from the Northward and forecast with light rain squalls

Latter light baffling air and pleasant

Pump attended to

7 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
South	72	72		29° 42'	29° 31'	1 Point		121° 30'	
H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	3		S by E	N by W					Sunday 11 <sup>day of</sup> July
2	3								Light baffling breeze from the
3	3								Northward and Pleasant
4	3								shifted upper main topsail and
5	3								main sail
6	3								
7	3								
8	3								
9	3								Middle part the same
10	3								
11	3								
12	3								
1	3								Latter part jibed ship and
2	3								sat stud sails on the Port side
3	3								
4	3		SE						
5	3								Pump attended to
6	1								8 Days out
7	1								
8	1								
9	3								
10	3								
11	3								
12	3								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SE	83	82.0	07.4	28° 49'	28° 15'	11°	09	122° 00'	122° 10'

SSE

Light baffling breeze from the Northward and pleasant shifted upper main topsail and main sail

Middle part the same

Latter part jibed shepard sat stud sails on the Port side

Pump attended to

8 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 50° E	83	82.0	07.1	28° 49'	28° 15'	11°	09	122° 00'	122° 10'



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Monday <sup>day of</sup> 12 July 1875
						Air.	Water.			
1	4		SS E	h h 20						
2	4									
3	4									
4	4									
5	5			North					Light breeze and pleasant	
6	5								at 4 hauling more to the	
7	5								Northward	
8	5									
9	5									
10	5								Middle part breeze freshening	
11	6									
12	6									
1	6									
2	6									
3	6									
4	6									
5	6									
6	6								Latte haul'd to N E. with	
7	6								moderate trade crew employe	
8	6								cleaning chain plait	
9	6			NE					Pumps Attended to	
10	6								9 Days out	
11	6									
12	6									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S by E	130	12 1/2	25 1/2	28 09	28 17	11°	28	127 41	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Tuesday <sup>day of</sup> 13 July 1875
						Air.	Water.			
1	6		SS E	h E						
2	6									
3	6									
4	6									
5	6									
6	6									
7	6									
8	6									
9	6									
10	6									
11	6									
12	6									
1	6									
2	6									
3	6									
4	6									
5	6									
6	6									
7	6									
8	6									
9	6									
10	6									
11	6									
12	6									

Course.	Distance.	Diff. of Lat	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S by E	144	14 1/2	28 1	28 34	28 52	11°	31	121 10	



Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Wednesday <sup>day of</sup> 14 July	1875
						Air.	Water.				
1	3		S by E	E by N							
2	3										
3	3										
4	3										
5	3										
6	3										
7	2										
8	2										
9	2										
10	2										
11	2										
12	2										
1	2										
2	2										
3	2										
4	2										
5	3										
6	3										
7	3										
8	3										
9	3										
10	3										
11	3										
12	3										

Breeze dying out and overcast  
and hauling more to the East  
ward at 6 most a calm with  
thick fog with rain squalls

Middle & Latter the same  
crew scraping again in Starboard  
atack lay up Sick

Pumps attended to

11 Days out

Wind light and unsteady

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
South	62	62	00	22° 30'	22° 18'	1 Point		121° 41'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Thursday <sup>day of</sup> 15 July	1875
						Air.	Water.				
1	3		S by E	E by N							
2	4										
3	3		SSE	N E							
4	5										
5	5										
6	5										
7	5										
8	5										
9	3										
10	3										
11	3										
12	3										
1	3										
2	3										
3	3										
4	3										
5	5										
6	5										
7	5										
8	5										
9	5										
10	6										
11	6										
12	6										

Light baffling breeze and hazy  
at 4 PM wind hauling more to the Westward  
and thick wind very unsteady

Middle part the same

Latter breeze freshening a little  
crew scraping

Pumps attended to

12 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S by E	103	101.3	17.8	21° 09'	No	1 Point	20	121° 21'	21



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1									Friday 4 <sup>th</sup> July 1875
2									
3									
4									
5									Brought these 24 hours light
6									baffling, airs and calms crew
7									employed as before
8									
9									
10									
11									
12									Pumps attended to
1									
2									
3									
4									
5									
6									
7									13 Days out
8									
9									
10									
11									
12									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S by E	48	47.1	09.4	20° 22'	20° 23'		12	121° 02'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	2		S by E	N E					Saturday 5 <sup>th</sup> July 1875
2	2								
3	2								Commenced with light baffling
4	3								air from the N E at 5 PM breeze
5	3								further shifted sails at 8 minutes
6	6								ate breeze and overcast
7	6								
8	7								
9	7								Middle part the same
10	7								
11	7								
12	7								
1	7								Latter part wind hauling
2	7								more to the Eastward took in
3	7								Lower Studd sail
4	7								
5	7								
6	7								Pumps attended to
7	7								
8	7								
9	7			Ch E					14 Days out
10	7								
11	7								
12	7								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 1/4 E	143	142.8	07.0	18° 00'	18° 00'	9°	09	121° 00'	122° 00'



# Journal from San Francisco towards New York

H K F

COURSES.

WINDS.

LEEWAY.

Thermometer

Air. Water.

Barometer.

REMARKS

Sunday day of 18 July

1875

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12

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6  
6

Sby E

NE

Light breeze from NE and pleasant crew scraping

Middle part the same at 11-30 carried away Topmast Studd sail Boom

Butter part the same

Pumps attended to

15 Days out

South

Distance 150

Diff. of Lat. 150

Departure 114

Lat. by D. R. 15° 30'

Lat. by Ob. 15° 30'

Variation 1 Point

Diff. of Lon.

Lon. in. 122°

Lon. by Ob. 122-30

H K F

COURSES.

WINDS.

LEEWAY.

Thermometer

Air. Water.

Barometer.

REMARKS

Monday day of 19 July

1875

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
1  
2  
3  
4  
5  
6  
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8  
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8  
8  
8  
8  
8  
8  
8  
8  
8

Sby E

ENE

Eby S

Commenced with fresh breeze and pleasant at 8 PM wind hauled to the Eastward and squally took in Studding sail

Middle and latter part the same

Pumps attended to

16 Days out

South

Distance 190

Diff. of Lat. 190°

Departure 120

Lat. by D. R. 12° 20'

Lat. by Ob. 12° 15'

Variation 1 P

Diff. of Lon. 00

Lon. in. 122° 8'

Lon. by Ob. 122° 25'



# Journal from San Francisco towards New York

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	8		SE E	East					Tuesday <sup>day of</sup> July 1875 Fresh breeze and pleasant up to 6 PM wind hauled to the Southward and squally and wind dying out
2	8								
3	8								
4	8								
5	7								
6	7								
7	6		SSW	SE E					Middle light air and calms with heavy rain squalls
8	2								
9	2								
10	2								
11	2								
12	2								
1	2								Latter part the same
2	2								
3	2								
4	2								Pumps attended to  17 Days out
5	2								
6	3								
7	3								
8	3								
9	3								
10	4								
11	4								
12	4								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
South	92	92.2		10° 45'	11° 00'	1/2		122° 23'	

H.	K.	F.	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	7		SE E	East					Wednesday <sup>day of</sup> July 1875 Light breeze and heavy rain squalls at 6 PM wind hauling more to the Northward and weather more settled
2	1								
3	1								
4	4								
5	4								
6	4			NE					
7	4								Middle part at 10 breeze fresh sat topmast & lower studding sails
8	1								
9	2								
10	3								
11	6								
12	6								
1	6								Latter part light and baffling
2	6								
3	6								
4	6								Pumps Attended to  18 Days out
5	6								
6	6								
7	5								
8	5								
9	5								
10	4								
11	4								
12	4								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SE E	118	113.4	11 1	9° 05'	9° 15'	1/2	12	122° 13'	122° 20'



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	1		S by E	N E					These 24 hours commenced with light baffling breeze from NE and pleasant and continued so untill 8 PM then squally
2	1								
3	1								
4	1								
5	1								
6	1								
7	1								
8	1								
9	1								
10	1								
11	1								
12	1								
1	1		South	E S E					Middle part at 2 AM wind hauled to the Eastward took in Studd Sails at 1 hauling more
2	1								
3	1								
4	1								
5	1								
6	3		S W	S S E					Latter wind hauled more to the Southward and very light
7	3								
8	3								
9	3								
10	3								
11	3								
12	3								

Pumps Attended to  
19 Days out

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 2° W	94	931	034	7° 12'	8.04	1/2	04	122° 24'	122° 25'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	3		S by W 1/2 W	S by E					These 24 hours commenced with light baffling breeze from the Southward and squally
2	3								
3	1								
4	1								
5	1								
6	1								
7	1								
8	1								
9	1								
10	1								
11	1								
12	1								
1	1		S by W 1/2 W	S by E					Middle and Latter part the same but breeze stronger
2	1								
3	1								
4	1								
5	1								
6	1								
7	1								
8	1								
9	1								
10	1								
11	1								
12	1								

Pumps Attended to  
20 Days out

Course.	Distance.	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
W S W	120	45.9	110.9	7° 20'		1/2	11'3"	124° 18'	



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Saturday <sup>day of</sup> 24 July 1875
						Air.	Water.			
1	6		SW by W	SS E						
2	6									
3	6									
4	6									
5	6									
6	6									
7	6		SW 1/2 W							
8	7									
9	7									
10	7									
11	7									
12	7									
1	7									
2	7									
3	6									
4	6									
5	6									
6	6									
7	6									
8	6									
9	6									
10	6									
11	6									
12	6									

Fresh breeze from the Southward and equally

Middle part the same

Latter part pleasant

Pumps Attended to

21 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 58° W	152	80.9	127.3	6° 11' N	6° 3' N	1/2	13° 0'	126° 28'	123° 10'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Sunday <sup>day of</sup> 25 July 1875
						Air.	Water.			
1	5		SW 1/2 W	SS E						
2	5									
3	5									
4	5									
5	5									
6	5									
7	5									
8	5		SE							
9	5									
10	5									
11	5									
12	5									
1	5									
2	5									
3	5									
4	5									
5	5									
6	5									
7	5									
8	5		SE	SE						
9	5									
10	5									
11	5									
12	5									

Light baffling breeze from the Southward and pleasant all sail set

Middle & Latter part the same

Pumps Attended to

22 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 48° W	118	79.5	87.5	5° 15' N	5° 5' N	1/2	9° 0'	123° 10'	



Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Monday <sup>day of</sup> 26 July	1875-
						Air.	Water.				
1	5		SSW	SE					Throught these 24 hours light breeze and pleasant with strong NW current about three knots		
2	5										
3	5										
4	5										
5	5										
6	5										
7	5										
8	5										
9	5										
10	5										
11	5										
12	5										
1	5								Pumps Attended to		
2	5										
3	5										
4	5										
5	5										
6	5										
7	5										
8	5										
9	5										
10	5										
11	5										
12	5										

23 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SSW 1/2 S	120	99.8	1.47	4-19	5-17	1 P	70	128-20	127-28

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Tuesday <sup>day of</sup> 27 July	1875-
						Air.	Water.				
1	5		SSW 1/2 W	SE					These 24 hours commenced with light breeze from SE and pleasant		
2	5										
3	5										
4	5										
5	6										
6	6										
7	6										
8	6										
9	6										
10	6										
11	6										
12	6										
1	6								Middle part the same		
2	6										
3	6										
4	6										
5	6										
6	6										
7	6										
8	7										
9	7										
10	8										
11	8										
12	8										

Latter part breeze freshening

Pumps Attended to

24 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SSW 1/2 S	143	118.9	2.94	3-18	3-00	1/2	80	128-18	128-38



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	8		SSW 1/2 W	SE					Wednes <sup>day</sup> 28 July 1875  Fresh breeze and pleasant at 8 wind hauling more to the Eastward and more rain a little
2	8								
3	8								
4	8								
5	8								
6	8		SSW						
7	8								
8	8								
9	8		S by W	SE 1/2 E					
10	7								
11	7								
12	7								
1	7								Thurs <sup>day</sup> 29 July 1875  Pump Attended to
2	7								
3	7								
4	7		South	SE					
5	7								
6	7								
7	7								
8	7								
9	7								
10	7								
11	7								
12	7								

25 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 15° W	188	181.8	4.9.8	11°	13°	42	50	128° 18'	130° 58'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	8		SE	SE 1/2 S					Thurs <sup>day</sup> 29 July 1875  Fresh breeze and pleasant though these 24 hours crew variously employed
2	8								
3	8								
4	8								
5	8								
6	8								
7	8		SE 1/2 E						
8	8								
9	8								
10	8								
11	8								
12	8								
1	7								Frid <sup>ay</sup> 30 July 1875  Pump attended to
2	7								
3	7								
4	7								
5	7								
6	7								
7	7								
8	7								
9	7								
10	6								
11	6								
12	6								

26 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 17° E	176	174.3	20.1	2° 39'	2° 23'	42	20	150° 18'	150° 49'



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Friday <sup>30</sup> day of July	1875
						Air.	Water.				
1	8		S by E	E by S					Strong trade and pleasant thru light these 24 hours and some sea at 9 AM took in two 8 Mize Royals and top gal stay bel'd.		
2	8										
3	8										
4	8										
5	8										
6	8										
7	8										
8	8										
9	8										
10	9										
11	9										
12	9										
1	9								Pumps Attended to		
2	9										
3	9										
4	8										
5	8										
6	8										
7	8										
8	8										
9	8										
10	8										
11	8										
12	8										

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 42 E	198	197.0	19.1	3° 40'	3° 38'	42	21	130° 38'	131° 2'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Saturday <sup>31</sup> day of July 1875
						Air.	Water.			
1	8		S by E	East					Fresh breeze and pleasant with cross sea	Middle part the same
2	8									
3	8									
4	8									
5	8									
6	8									
7	8									
8	8									
9	8									
10	8									
11	8									
12	8									
1	8								Batter strong breeze and squally	Pumps Attended to
2	8									
3	8									
4	8									
5	8									
6	8									
7	8									
8	8									
9	8									
10	8									
11	8									
12	8									

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 42 E	192	191.1	18.8	8° 49'		42	20	130° 44'	



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	1875
						Air.	Water.				
1	8		S by E	East					Sunday	1	Aug
2	8										
3	8										
4	8										
5	8										
6	8										
7	8										
8	8										
9	8										
10	8										
11	8										
12	8										
1	8								Monday	2	Aug
2	8										
3	8										
4	8										
5	8										
6	8										
7	8										
8	8										
9	8										
10	8										
11	8										
12	8										

Fresh breeze and squally  
at 12-30 caught two porpoises  
and carried away fore  
topsail Brail masts down

Middle part the same

Later weather more settled  
all sail set

Pumps attended to

29 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
South	192	192		12° 01'	12° 28'	1 Point	00	130° 14'	131° 25'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	1875
						Air.	Water.				
1	9		S by E 1/2 E	East					Monday	2	Aug
2	9										
3	9										
4	9										
5	9										
6	9										
7	9										
8	9										
9	9										
10	9										
11	9										
12	9										
1	9								Tuesday	3	Aug
2	9										
3	9										
4	9										
5	10										
6	10										
7	10										
8	10										
9	10										
10	10										
11	10										
12	10										

Strong breeze and squally  
with nasty sea all sail set

Middle part the same

Later part breeze freshening  
with heavy squalls took in  
Boys

Pumps attended to

31 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S by E	22 1/2	219.7	13.7	16° 07'	16° 03'	1/2	46	130° 39'	130° 45'



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Tuesday day of Aug	1875
						Air.	Water.				
1	10		S by E 1/2 E	East					Strong breeze and squally at 4 PM moderating and sea going down set Royals		
2	10										
3	10										
4	10										
5	9										
6	9										
7	9										
8	9										
9	9										
10	9										
11	8										
12	8										
1	8								Middle part the same		
2	8										
3	8										
4	7										
5	7										
6	7										
7	7										
8	7										
9	6										
10	6										
11	6										
12	6										

Scatter moderate breeze and pleasant row off New Main Topgallant and Royal Boats and Fore Topgal running

Pumps Attended to

31 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S by E	193	189.3	47.7	19 18	19 19	1/2	1.0	130 08	130 37

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Wednesday day of Aug	1875
						Air.	Water.				
1	6		SSE	East					Commenced with light breeze and pleasant at 6 PM backing on and squally at 8 took in light sails		
2	6										
3	5										
4	5										
5	5										
6	6										
7	8										
8	8										
9	9										
10	9										
11	10										
12	10										
1	9								Middle part strong breeze and squally		
2	9										
3	8										
4	8										
5	8										
6	7										
7	7										
8	7										
9	7										
10	7										
11	7										
12	7										

Latter fresh breeze and pleasant

Pumps Attended to

32 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
S by E	178	174.5	34.7	22 13	22 13	1 Point	1.0	129 57	



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Thursday <sup>day of</sup> Aug	1875
						Air.	Water.				
1	7		1.0	000							
2	7										
3	6										
4	6								Moderate breeze and pleasant		
5	6								all sail set		
6	6										
7	6										
8	6								Middle part wind hauling		
9	6		000 1/2 0	NE 1/2 N					more to the Northward and		
10	6								squally up to 3 am.		
11	6										
12	6										
1	6								Lighter light breeze and		
2	6								pleasant		
3	5										
4	5										
5	5								Pumps attended to		
6	4										
7	4										
8	3										
9	3										
10	3										
11	3										
12	3										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 29° E	123	107.1	60	24 00	23 51	1/2	68	129 00	128 27

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Friday <sup>day of</sup> Aug	1875
						Air.	Water.				
1	5		SS 1/2 0 1/2 0	NE							
2	5										
3	5										
4	5								Light breeze and pleasant		
5	5								at 3 PM sighted Andersona		
6	5								Elizabeth Island bore SSE		
7	5								20 miles		
8	4										
9	2		SE 1/2 E	NE 1/2 E							
10	1								Middle wind during out		
11	2								and hauled more to the East-		
12	3								ward		
1	3										
2	2								Lighter part the same		
3	2										
4	2										
5	2										
6	2								Pumps attended to		
7	3										
8	3										
9	3										
10	3										
11	3										
12	3										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SE 1/2 E	82	52.8	63.5	24 44	24 44	1/2	70	129 17	128 44



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Saturday day of Aug	1875-
						Air.	Water.				
1	5		SE by E	NE					Moderate breeze and pleasant crew variously employed		
2	5										
3	5										
4	5										
5	5										
6	5										
7	5								Middle part breeze freshening a little		
8	5										
9	6										
10	6								Batter the same		
11	6										
12	6										
1	6								Pumps Attended to		
2	6										
3	6										
4	6										
5	6										
6	6										
7	6								35 Days out		
8	6										
9	6										
10	6										
11	6										
12	6										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.		
SE	132	91.2	91.2	28° 20'	28° 31'	1° 11'	10' 0"	128° 04'			
H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Sunday <sup>day of</sup> Aug	1875-
						Air.	Water.				
1	7		SE by E	NE					Moderate breeze and pleasant at 4 wind held more to the northward Sat Studying sails		
2	7										
3	7										
4	7										
5	7			North							
6	7										
7	7								Middle & Batter the same		
8	7										
9	7										
10	7								Pumps Attended to		
11	7										
12	7										
1	7										
2	7										
3	7										
4	7								36 Days out		
5	7										
6	7										
7	7										
8	7										
9	7										
10	7										
11	7										
12	7										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SE	168	118.8	118.8	28° 35'	28° 49'	1° 14'	18' 3"	128° 51'	128° 19'



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	1873
						Air.	Water.			
1	6		SE by E	NE					Monday <sup>day of</sup> Aug	1873
2	6									
3	6									
4	6									
5	6									
6	6									
7	6									
8	5			North						
9	5									
10	5									
11	5									
12	5									
1	3								Tuesday <sup>day of</sup> Aug	1873
2	2									
3	2									
4	1									
5	1									
6	1									
7	1									
8	1									
9	1									
10	1									
11	1									
12	3									

Light breeze from the North  
ward and pleasant and  
heavy swell from the Eastward

Middle part the same

Lighter light baffling air

Pumps Attended to

37 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SE	113	81.3	81.3	30° 10'		1° P	9° 3'	129° 46'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	1873
						Air.	Water.			
1	4		SE by E	North					Tuesday <sup>day of</sup> Aug	1873
2	4									
3	5									
4	5									
5	5									
6	5			NE						
7	5									
8	5									
9	4									
10	4									
11	4									
12	3									
1	3								Wednesday <sup>day of</sup> Aug	1873
2	1									
3	1									
4	2									
5	2									
6	4									
7	4									
8	4									
9	4									
10	4									
11	4									
12	4									

Light baffling breeze and  
pleasant at 6 and hauld  
more to the Eastward

Middle & Latter the  
same

Pumps Attended to

38 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SE	100	70.7	70.7	30 28		1° P	1° 21'	120 23'	



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Wednesday day of 11 Aug	1873
						Air.	Water.				
1	5		SE by E	North							
2	5										
3	5										
4	5										
5	5										
6	5										
7	5										
8	5										
9	5										
10	5										
11	5										
12	5										
1	5										
2	5		SE by E	NE							
3	5										
4	5										
5	5										
6	5										
7	5										
8	5										
9	5										
10	5										
11	5										
12	5										

Light breeze from the North and pleasant

Middle part wind hauling more to the Westward at 4 A.M. jibed ship and set Studd Sails on Starboard side

Latter the same

Pumps Attended to

39 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SE by E	120	91.3	78.8	32° 20'	33° 28'	1° 10'	1-25	119 00	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Thursday day of 12 Aug	1873
						Air.	Water.				
1	6		SE by E	W by N							
2	6										
3	7										
4	7										
5	7			WSW							
6	7										
7	7										
8	7										
9	7										
10	7										
11	6										
12	5										
1	4										
2	0			Calm,							
3	0										
4	0										
5	0										
6	0										
7	0										
8	0										
9	0										
10	3										
11	1										
12	2										

Moderate breeze and pleasant at 4 PM wind hauling more to the Southward and thick with drizzling rain

Middle part the same at 10 AM then calm and fine rain took in Studd Sails

Latter part at 9 AM light breeze from the Westward and thick, set Topmast Studd Sails

Pumps Attended to  
40 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SE by E	68	62.8	26.0	34° 30'		1° 10'	32	118 18	



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Friday 13 Aug	1855
						Air.	Water.				
1	4		SSE	West							
2	5										
3	6										
4	6										
5	6										
6	6										
7	6										
8	6										
9	6		S by E								
10	5										
11	5										
12	5										
1	5										
2	5										
3	5										
4	5										
5	6			NNE							
6	7										
7	7										
8	8										
9	9										
10	10										
11	10										
12	10										

Light breeze from the Westward and thick with drizzling rain

Middle the same at 10 am wind hauld more to the Northward set Lower Studding sail

Latter part breeze freshen and overcast crew unusually employed

Pumps Attended to

41 DAYS OUT

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 1/4 E	152	150.2	0.2 E	33° 00'	33° 10'	1 P	12	115° 06'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Saturday 14 Aug	1855
						Air.	Water.				
1	10		SSE	NW by E							
2	10										
3	10										
4	10										
5	10										
6	10										
7	9										
8	6		SE by S	NW by N							
9	5										
10	2										
11	0			Calm							
12	0										
1	2		East	S by E							
2	2										
3	2										
4	2										
5	2										
6	2		SSE	E by N							
7	2										
8	2										
9	2										
10	3										
11	3										
12	3										

Strong breeze and thick with rain at 6 wind during out and baffling

Middle part light breeze up to 10 then calm at 12 light air from the Southward took in Studding Sails

Latter at 6 wind hauld to the Eastward wore ship thick and fine rain

Pumps Attended to

42 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 4 E 1/4 E	105	98.3	36.1	33° 19'		1 P	48	114° 20'	



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Sunday day of Aug	1875
						Air.	Water.				
1	1		SS E	Ch h							
2	4										
3	4										
4	4										
5	3										
6	3										
7	2		SS W	SE							
8	2		SE	SE							
9	3										
10	5										
11	8										
12	8										
1	9			WSW							
2	9										
3	9										
4	9			Wet							
5	10										
6	10										
7	10										
8	10										
9	10										
10	10										
11	10			WSW							
12	10										

Light baffling breeze from the Eastward with rain at 6 wind hauling more to the South and Westward wore ships the Eastward

Middle part breeze freshening and squally took in Reysals at 11 P.M. and set them. Plan again

Latter part strong breeze and weather more settled at 6 P.M. set Topmast & Lower Studd sail all sail set

Pumps Attended to

43 Days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 28 E	164	144.0	77.0	41° 41'	41° 37'	13°	10' 3"	112° 37'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Monday day of Aug	1875
						Air.	Water.				
1	10		SE by E	WSW							
2	10										
3	10										
4	10										
5	10										
6	10										
7	10										
8	10										
9	10										
10	9										
11	9										
12	9										
1	9										
2	9										
3	9		ESE	WSW							
4	9										
5	9										
6	9										
7	9										
8	10										
9	10		Ch S 1/2 S								
10	10										
11	10										
12	10										

Strong breeze and overcast at 4 breezing on and squally and night sea at 6 took in Lower Studd sail

Middle part moderate gale and high sea with heavy squalls at 10 took in Topmast Studd sail

Latter part moderating a little at Topmast Studd sail

Pumps Attended to

44 Days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 51° E	211	132.3	164.4	44° 06'	44° 34'	1 Point 22'	108° 56'		



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	185-
						Air.	Water.				
1	9		080	Wly N					Tuesday	17	Aug
2	9								Strong breeze and pleasant with high sea		
3	9										
4	9										
5	9										
6	9										
7	9										
8	8			NW					Middle part wind hauled more to the Northward and breezing on with heavy squalls at 4 P.M. shifted ship at 6 A.M.		
9	8								fresh gale and thick with rain		
10	8								10 took in Studd sail at 4 took in Mizzen Topgalsail		
11	8								and Main sail		
12	8										
1	9										
2	10			WNW							
3	10										
4	11										
5	11								Latter part whole gale and high sea running at 8 Am took in Fore Topgal sail 11 Main		
6	12								and Upper Mizzen Topgail very high sea running		
7	12										
8	12			NWly W							
9	12										
10	12								Pumps attended to		
11	12								45 Days out		
12	12										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 57° E	21.0	157.9	185.8	47° 05'		13°	20.2	147° 08'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	day of	185-
						Air.	Water.				
1	12		080	NWly W					Whole gale and very high sea and heavy squalls at 4 took in Fore and Reefed Main Topgalsail at 8 P.M. wind hauled to S.W. and moderating, set Topgalsails and Main Topgalsail and Main Sail at 2 Am set Fore & Mizzen Topgalsails and 7 fib	Wednesday	18
2	12										
3	12										
4	12										
5	12										
6	12										
7	12										
8	11										
9	9		Ely S	S.W.							
10	7										
11	6										
12	6										
1	6								Latter strong breeze and thick and heavy looking and rain squalls and high sea glass very low 28° heavy sea on		
2	6										
3	6		East	South							
4	6										
5	6										
6	6										
7	8										
8	8										
9	8								Pumps attended to		
10	8										
11	8										
12	8										
1	8								46 Days out		
2	8										
3	8										
4	8										
5	8										
6	8										
7	8										
8	8										
9	8										
10	8										
11	8										
12	8										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 66° E	211	85.0	193.2	48° 3' 0"		13°	28.9	102° 19'	



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Thursday <sup>day of Aug</sup> 19	1875
						Air.	Water.				
1	8		East	South					Strong breeze and squally with high sea at 3 PM wind hauling more to the Westward and breezing on and clearing up		
2	8										
3	8										
4	8		E by N	SSW							
5	8										
6	9		East	SW					Middle part strong breeze and pleasant with freshening squalls wind hauled to West		
7	10										
8	10										
9	10										
10	10										
11	11			WSW					Latter part moderating and weather more settled all sail set at 11 AM sat foremast & studd sail killed a pig		
12	11										
1	11										
2	11			West							
3	11										
4	11								Pumps Attended to 47 Days out		
5	11										
6	10										
7	10										
8	10										
9	10										
10	10										
11	10			WSW							
12	10										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 63° E	233	10 53	210.0	50 15	50 10	1/2	3 22	94 57	97 09
H K F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Friday <sup>day of Aug</sup>	1875
				Air.	Water.				
1	10	East	8 W				Strong breeze and squalls at 5 wind hauling more to the Southward and moderating		
2	10								
3	10								
4	10								
5	10								
6	9	SSW					Middle part light baffling air and pleasant with heavy swell		
7	8								
8	6	South							
9	3								
10	3								
11	3	SSW					Latter the same		
12	3								
1	3								
2	3								
3	3								
4	3						Pumps Attended to		
5	3								
6	3								
7	3								
8	3								
9	3	E by N	SSW				48 Days out		
10	3								
11	3								
12	3								

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 74° E	123	33.7	119.1	50 44	50 37	1 1/2	18 6	94 03	



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Saturday <sup>day of</sup> 21 Aug	185
						Air.	Water.				
1	0										
2	0										
3	0										
4	0										
5	0										
6	0										
7	0										
8	0										
9	0										
10	0										
11	0										
12	0										
1	0										
2	0										
3	0										
4	0										
5	0										
6	0										
7	0										
8	0										
9	0										
10	0										
11	0										
12	0										

These 24 hours commenced with a calm and continued so untill 5 Am then light breeze from the Southward and Eastward and pleasant

Pumps Attended to

49 Days out

E by N S S E

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation. Diff. of Lon. Lon. in. Lon. by Ob.

E 1/2 S 35 03 1/2 34 S 51 00 51 01 1 1/2 1 1/2 93 20 98 38

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Sunday <sup>day of</sup> 22 Aug	185
						Air.	Water.				
1	6		E by N	S S E							
2	6										
3	6										
4	7										
5	7		E 1/2 S	South							
6	7		S S E	S by W							
7	8										
8	8										
9	8										
10	8										
11	8										
12	8										
1	8										
2	8										
3	8										
4	8										
5	7										
6	6										
7	6										
8	6										
9	6										
10	6										
11	5										
12	5										

Fresh breeze from the Southward and cloudy at 6 wind hauling more to the Southward and breez freshening

Middle part fresh breeze from Sw and pleasant at 2 PM Sat Topmast Studd Sail all Sail set

Bottom part the same up to 9 PM wind hauled to the Southward took in Studd Sail

Pumps Attended to

50 Days out

South

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation. Diff. of Lon. Lon. in. Lon. by Ob.

S 5 1/2 E 160 100 1/2 125 S 52 11 52 53 2 Points 203 90 15



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Monday <sup>day of</sup> 23 Aug	1873
						Air.	Water.				
1	2		080	West							
2	2										
3	2										
4	2			WNW							
5	2										
6	8										
7	4										
8	4										
9	6										
10	7										
11	8										
12	8										
1	8										
2	8										
3	8										
4	8		088								
5	8										
6	9										
7	9										
8	9										
9	9										
10	9										
11	9										
12	9										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
081°0	155	97.3	119.5	54°31	54°40	2P	20'4	97°37	88°53

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Tuesday 21 <sup>st</sup> day of Aug	1873		
						Air.	Water.						
1	9		East	West									
2	9												
3	9												
4	10												
5	10												
6	10												
7	10												
8	10												
9	10												
10	10												
11	11												
12	11												
1	11			W by N									
2	11												
3	11												
4	11												
5	11												
6	11												
7	11												
8	11			W by W									
9	10												
10	10												
11	10												
12	10												

Course	Distance	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
080	247	94.7	228.2	55°04	55°43	2P	2'20	99°13	



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Wednesday 25 Aug 1875
						Air.	Water.			
1	10		ChE	W by N						
2	11									
3	12									
4	12									
5	12									
6	12									
7	12									
8	12		E by N							
9	12									
10	12									
11	12									
12	11		ChE	W by W						
1	11									
2	10									
3	10									
4	10									
5	10									
6	10									
7	9									
8	9									
9	9									
10	9									
11	9									
12	9									

These 24 hours commenced with strong breeze and pleasant at 2 buoying on took in light sails at 4 fresh gale took fore and Mizzen Topgalsails (whole gale with very heavy squalls took in main Top gal sail and main sail 7 fore & Mizzen Top sails Lightning in SE

Middle part 11 moderating 12 sat fore & Mizzen Top sails and made sail as required

Latter part all sail set fresh breeze with snow squalls at 9.0 A m passed an English ship with main Topmast gone and Mizzen Top gal mast standing viz to Southward & Westward

53 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
8 86° E	26'0	19 1/4	258 1	37° 02'	37° 04'	2 1/4	46'0	71° 33'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Thursday day of 26 Aug 1875
						Air.	Water.			
1	9		N by E 1/2 E	W by W						
2	9									
3	9									
4	9									
5	9									
6	9									
7	9									
8	9									
9	9									
10	9									
11	10									
12	10									
1	10									
2	10									
3	10									
4	11									
5	12			N W						
6	12									
7	12									
8	11									
9	11									
10	11									
11	10									
12	10									

First & Middle part strong breeze with snow and hail squalls all drawing sail set at 6 took in light sails very heavy squalls

Latter part at 4.30 blowing heavy with very heavy squalls took in Topgalsails and furled main sail at 8 whole gale and high sea took in upper Mizzen Top sail

Pumps Attended to

54 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
East	240		240	37° 04'	37° 40'	2 1/2	440	64 13'	65 12'



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Friday day of 27 Aug	1875-
						Air.	Water.				
1	2		Ch E	NW							
2	12										
3	12										
4	12										
5	12										
6	12										
7	12										
8	12										
9	12										
10	11										
11	11										
12	10	NE		NW							
1	10										
2	8										
3	6										
4	6										
5	6										
6	7										
7	7										
8	7										
9	7										
10	7										
11	7										
12	7										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.	
N 83 E	222	28.5'	220.2	58° 13'	58° 21'	2 P	400	58° 32'		
H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Saturday day of 28 Aug 1875
						Air.	Water.			
1	8		NE	SE					Strong breeze with passing male squalls all sail set	
2	8									
3	9									
4	9									
5	10									
6	10								Middle part the same to 10 then wind hauled to the Westward took in Topmast Studd sail and Royals breezing on and squally at 12 fresh gale took in and Mizzen Topgalsails whole gale with heavy squalls and high sea	
7	10									
8	10									
9	10									
10	11			West						
11	12								Gutter blowing heavy took in Main Topgalsail at 8 Am	
12	12									
1	13			SE NW						
2	13									
3	13									
4	13								Pumps Attended to	
5	13									
6	13									
7	13									
8	13									
9	13								56 Days out	
10	13									
11	13									
12	13									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
NE E	275	105.2	254.4	54° 59'		2 P	410	58° 10'	



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	1875
						Air.	Water.				
1	13		N by E	NW					Sunday	28 Aug	1875
2	13										
3	13										
4	13										
5	13										
6	13										
7	13										
8	13										
9	13										
10	12										
11	12										
12	12										
1	12								Monday	29 Aug	1875
2	12										
3	11										
4	11										
5	11										
6	11										
7	10										
8	10										
9	10										
10	9										
11	8										
12	8										

Whole gale and high sea with very heavy squalls at 3 PM took in Main sail and Reefed Mizen Topsail

Middle part the same with violent squalls at 11 settled Fore & Mizen Topsails on the caps at 4 AM hoisted the Main

Latter the same took in Upper Topsails blowing very heavy and very high sea Pumps attended to 57 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N by E	27 <sup>1</sup> / <sub>2</sub>	105 <sup>1</sup> / <sub>2</sub>	25 <sup>1</sup> / <sub>2</sub>	52° 43'	52° 37'	1 P	43° 0'	43° 30'	43° 10'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	1875
						Air.	Water.				
1	8		NE	WNW					Monday	29 Aug	1875
2	8										
3	8										
4	8										
5	8										
6	8										
7	8		N by N								
8	8										
9	8										
10	8										
11	8										
12	8										
1	8								Tuesday	30 Aug	1875
2	8										
3	8										
4	8										
5	8										
6	8										
7	8		N by N West								
8	8										
9	8										
10	9										
11	9										
12	9										

Whole gale with high sea and heavy squalls ship shipping lots of water at 2 PM carried away jib stay

Middle part the same up to 3 PM then forelating set Upper Topsails

Latter part strong breeze and high sea at 8 set Main Topsails, spliced jib stay and set it up

Pumps attended to 58 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 47° E	19 <sup>1</sup> / <sub>2</sub>	134 <sup>1</sup> / <sub>2</sub>	140 <sup>1</sup> / <sub>2</sub>	50° 28'	50° 28'	1 P	223	41° 27'	41° 00'



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Tuesday day of Aug	1875
						Air.	Water.				
1	10		WbE	Wbyh					Strong breeze and sea going down all suitable sail set at 4 Sat Breeze		
2	10										
3	10										
4	11										
5	10										
6	10										
7	10								Middle & Latter strong breeze and squally all sail set		
8	10										
9	10			WbE							
10	10										
11	10								Pumps Attended to		
12	10										
1	10										
2	10										
3	9								59 DAYS Out		
4	9										
5	9										
6	9										
7	9										
8	9			West							
9	9										
10	9										
11	9										
12	9										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
WbE	230	191.2	1278	42° 48'	42° 20'	11°	190	37° 50'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Wednesday day of Sept	1875
						Air.	Water.				
1	9		WbE	West					These 24 hours commenced with strong breeze with heavy hail squalls at 3 Sat Topmast Studd sails killed a pig		
2	9										
3	9										
4	9										
5	9										
6	9										
7	9								Middle part the same		
8	9										
9	9										
10	9										
11	9								Latter the same to 7 a m then wind getting light a ship in company to Leeward		
12	9										
1	9										
2	9										
3	9								Pumps Attended to		
4	9										
5	9										
6	9										
7	8								60 Days out		
8	8										
9	8										
10	8										
11	8										
12	8										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
WbE	210	194.0	804	43° 10'	42° 41'		112	35° 58'	36° 15'



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer Air. Water.	Barometer.	REMARKS.
								Thursday <sup>day of</sup> Sep 1875
1	6		nn E	West				
2	6							
3	3							
4	3							
5	3		h by E					Light baffling breeze and pleasant at 8 calm at 8 breeze from the Northward took in Studd Sails
6	0		Calm					
7	0							
8	0							
9	5		n by W	h by E				
10	5							Middle part Strong breeze and nasty looking with very heavy squalls and raising shattered down to close reefed Topsails
11	5							
12	5							
1	3							
2	3							
3	3							
4	3							
5	3							Latte at 8 wore ship and set Upper Topsails blowing heavy with thick rain all suitable sail set
6	3							
7	3							
8	3		h E	nn W				Pumps Attended to
9	3							61 Days out
10	3							
11	3							
12	3							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
North	70	76.1	0.0	41° 28'			0 "		

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer Air. Water.	Barometer.	REMARKS.
								Friday <sup>day of</sup> Sep 1875
1	5		h E	nn W				
2	5							
3	5		nn E	West				Strong breeze and steady rain and squally at 20 fathoms up and wind fresh by the Westward all suitable sail set at 8 nasty sea from the Northward took in 6 fathoms sails
4	3							
5	6							
6	6							
7	6							
8	7							
9	8		h by N					Middle part the same
10	8							
11	8							Latte part sea going down all sail set
12	8							
1	8							
2	8							
3	8							Pumps attended to
4	8							
5	9		nn E	nn W				62 Days out
6	9							
7	10							
8	10							
9	10							
10	10							
11	10		h by E					
12	10							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 27° E	185	165.8	82.2	38° 40'	38° 50'		106	34° 28'	34° 28'



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Saturday day of 1 Sept 1875
						Air.	Water.			
1	10		NNE	SE						
2	10									
3	10									
4	10									
5	8									
6	8									
7	8									
8	8									
9	8									
10	7									
11	6									
12	6									
1	5									
2	3									
3	3									
4	3									
5	3									
6	4		N E							
7	4									
8	4									
9	6		N 1/2 E	ENE						
10	6									
11	6		NNE	NE						
12	6									

Strong breeze from the Westward and overcast at 6 wind hauld till 8 W all drawing sail set
Middle part breeze during out and hauling to the Westward
Latter light baffling breeze
Pumps Attended to
63 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 14° E	118	143.4	38.7	38° 27'			44	33 1/2	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Sunday day of 2 Sept 1875
						Air.	Water.			
1	5		NNE	NE					Fresh breeze and thick with rain at 6 wind hauling more ship to the Eastward	Middle part the same
2	5									
3	5									
4	5		NW	NE						
5	5		NW	NE						
6	5		NE	NW by N						
7	6								Latter strong breeze and overcast	Pumps Attended to
8	8									
9	8									
10	8									
11	9									
12	9									
1	9								64 Days out	
2	9									
3	9									
4	9									
5	9									
6	9									
7	9									
8	9									
9	9									
10	9									
11	9									
12	9									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 35° E	166	138.9	93.5	34 10	35° 04'		116	31 1/2	



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Monday <sup>day of</sup> Sept	1875
						Air.	Water.				
1	8		h e	h e by h							
2	8										
3	8										
4	8								Strong breeze and thick with drizzling rain		
5	8										
6	8										
7	8										
8	8										
9	8										
10	8										
11	8										
12	8								Middle & latter the same all suitable sail set		
1	8										
2	8										
3	8										
4	8										
5	8								Pumps Attended to		
6	8										
7	8										
8	8										
9	8										
10	8										
11	8										
12	8								65 Days out		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
h e	192	135.8	135.8	32° 49'			163	23° 04'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Tuesday <sup>day of</sup> Sept	1875
						Air.	Water.				
1	8		h e by h	h e							
2	8										
3	8								Fresh breeze and overcast at 8 wind getting more moderate		
4	8										
5	8		h e by h								
6	8										
7	7										
8	6								Middle part light baffling breeze		
9	5		h e								
10	5										
11	5										
12	5										
1	5								Latter part the same commenced scraping masts		
2	4										
3	4										
4	3										
5	3								Pumps Attended to		
6	3										
7	3										
8	3										
9	4										
10	4										
11	4										
12	4								66 Days out		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
h 34 e	121	102.9	69.5	31° 06'	30° 22'	112	90	27° 44'	



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Wednesday <sup>day of</sup> Sept	1875-
						Air.	Water.				
1	1		ENE	North					Light breeze from the North and air pleasant at 6 were ship to the Westward		
2	4										
3	1										
4	5										
5	5										
6	5								Middle part breeze freshening and overcast.		
7	5		NW 1/2 W	NNE							
8	5										
9	5										
10	6										
11	7								Latter strong and thick with rain at 12-30 were ship to the Eastward crew scrubbing paint work		
12	8										
1	8		NW 1/2 N	NNE							
2	8										
3	8		NW 1/2 N	NE							
4	8								Pumps Attended to		
5	8		NW	NNE							
6	8										
7	7		WNW	North							
8	7										
9	7								67 Days out		
10	7										
11	7										
12	7										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 48 W	113	86 2	72 1	28° 56'	29° 30'		83	29° 17'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Thursday <sup>day of</sup> Sept	1875-
						Air.	Water.				
1	7		ENE	North					Strong breeze and thick with rain at 5 wind hauled to the Westward and clearing up nasty head sea		
2	7										
3	7										
4	6										
5	6										
6	6		N 1/2 W	West					Middle part the same		
7	6										
8	6										
9	6										
10	6										
11	6								Latter moderate breeze and pleasant all sail set at 6 A M put Foremast & Lower Studd Sails crew scraping yards		
12	6										
1	7										
2	7										
3	7										
4	7								Pumps Attended to		
5	7		NNE	WSW							
6	7										
7	7										
8	7										
9	7								68 DAYS OUT		
10	7										
11	7										
12	7										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 23° E	15 3	137 9	63 7	27 12	27 05	1 P W	1-14	28° 03'	



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	1875
						Air.	Water.				
1	5		N by E	8 W					Friday	Sept	5
2	5										
3	4										
4	4										
5	4			88 W							
6	4										
7	3										
8	3										
9	3										
10	2										
11	2										
12	2										
1	2										
2	2										
3	1										
4	1										
5	1										
6	1										
7	2										
8	2										
9	2										
10	2										
11	3										
12	3										

These 24 hours light baffling  
keeps and pleasant crew  
variously employed as  
sail in sight

Pumps Attended to

69 DAYS OUT

Light and baffling

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
North	63	63'		21° 02'	21° 00'	11°		28° 03'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	1875
						Air.	Water.				
1	4		N by E	Light					Saturday	Sept	6
2	4			B							
3	4			Baffling							
4	4										
5	4										
6	1										
7	3										
8	3										
9	2										
10	0		Calm								
11	0										
12	0										
1	0										
2	0										
3	0										
4	0										
5	0										
6	0										
7	0										
8	0										
9	0										
10	0										
11	0										
12	0										

These 24 hours light baffling  
keeps and pleasant up to 8  
P.M. and a calm the rest  
of them a brig in company  
crew scraping carpenter  
at work on the Half deck

Pumps Attended to

70 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
North	32	32'		29° 28'	29° 28'	11°		28° 03'	



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Sunday 12 Sept	1875
						Air.	Water.				
1	2		N by E	S W					Light breeze and pleasant at 3 o'clock hauling anchor to the Southward and breeze freshening		
2	2										
3	3										
4	3			S S W							
5	4										
6	4			S by W							
7	4										
8	4								Middle part light breeze and cloudy with passing rain squalls		
9	4										
10	5										
11	5			South							
12	5								Latter fresh breeze with passing rain squalls at 6 A.M. set Topmast & Lower Studd Sails on Starboard Side		
1	6										
2	6										
3	6										
4	6										
5	7										
6	7										
7	7								Pumps Attended to		
8	7										
9	8										
10	8										
11	8										
12	8										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
North	139	139		23° 09'	23° 08'	1/4 P		28° 00'	28° 17'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Monday 13 Sept	1875
						Air.	Water.				
1	9		N by E	S by W					Fresh breeze and pleasant throughout the 24 hours commencing at 6 A.M. Martin's Voe Rocks, in sight bare West dis 20 miles		
2	9										
3	9										
4	9										
5	9		N by E 1/2 E								
6	9										
7	9										
8	9										
9	9								Pumps Attended to		
10	9										
11	9										
12	9		N by E	S S W							
1	9								72 Days out		
2	9										
3	9										
4	9										
5	9										
6	9										
7	9		N by E								
8	9										
9	9										
10	9										
11	9										
12	9										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 5° E	215	214 3'	18 3'	19° 44'	19° 44'	1/4 P	20'	28° 37'	



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	8		Nby E	SE					Tuesday <sup>day 24</sup> Sept 1875-3-
2	8								
3	8								
4	8								At fresh breeze and pleasant crew employed as before
5	8								
6	8								
7	8			SE					
8	8								
9	8								Middle part the same
10	8								
11	8								
12	8								
1	8								Boatmen went up to haul on more to the Eastward
2	8								took in lower sheeted sail
3	8								
4	8			SE					
5	8								
6	9								
7	9								Pumps attended to
8	9								
9	9								
10	9								73 Days out
11	9								
12	9								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
North	19'9	199.0		14° 2'5	14° 18	1P		28° 3'4	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	9		Nby E	SE					Wednesday <sup>day of</sup> 15 Sept 1875-3-
2	9								
3	9								
4	9								These 24 hours strong & rough with passing rain squalls
5	9								crew variously employed
6	10								
7	10								
8	10								
9	10								Pumps attended to
10	10								
11	10								
12	11								
1	11								
2	11								
3	11								74 Days out
4	11								
5	11								
6	12		N 1/2 E	SE					
7	12								
8	12								
9	12								
10	12								
11	12								
12	12			East					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
North 2° 20	25'3	254.6	08.2	12° 0'4	12° 1'5	1P	10	28° 4'1	



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Thursday <sup>day of</sup> 16 Sept 1875
						Air.	Water.			
1	10		N by E	ESE					Strong breeze and pleasant and seriously employed.	
2	10									
3	10									
4	10									
5	10									
6	10									
7	10									
8	10									
9	10								Middle part squally	
10	10									
11	9									
12	9									
1	9		North	SE by E					Batter pleasant	
2	9									
3	9									
4	8			SE						
5	8								Pumps Attended to	
6	7		NH W							
7	7									
8	6								75 Days out	
9	6									
10	6									
11	6									
12	6									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 9° W	200	196.9	31.0	9° 2' 8"	9° 3' 3"	1 P	3' 2"	28° 1' 8"	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Friday <sup>day of</sup> 17 Sept 1875
						Air.	Water.			
1	6		NH W	SE E					These 24 hours moderate trade and pleasant through the 24 hours	
2	6									
3	6									
4	6									
5	6									
6	7									
7	7									
8	7									
9	7									
10	7									
11	7								Pump Attended to	
12	7									
1	7		N by W						76 Days out	
2	7									
3	7									
4	7									
5	7									
6	7									
7	7									
8	7									
9	7									
10	7									
11	7									
12	7									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 28° W	163	143.3	76.0	7° 11'	7° 2' 1"	1 P	78	30° 3' 1"	



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	6		N by W	SS E					<p>These 24 hours high breeze and pleasant at 6 A M three sails in sight standing to the southward and Eastward</p> <p>Pumps Attended to</p> <p>77 Days out</p>
2	6								
3	6								
4	6								
5	6								
6	6								
7	6								
8	6								
9	6		N by W 1/2 W						
10	6								
11	6								
12	6								
1	6								
2	6								
3	6								
4	6								
5	6								
6	5		N by W						
7	5								
8	5								
9	5								
10	5								
11	5								
12	5								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 35° W	135	109.1	77.2	3° 35'	3° 48'	1 P	80	31° 52'	33° 21'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	6		N by W	SS E					<p>Moderate trade and pleasant and variously employed strong current setting to the northward and Westward</p> <p>Pumps Attended to</p> <p>78 Days out</p>
2	6								
3	6								
4	6								
5	6								
6	6								
7	6								
8	6								
9	6		N by W	SS E					
10	6								
11	6								
12	6								
1	6								
2	6								
3	6								
4	6								
5	6								
6	6								
7	6								
8	6								
9	6								
10	6								
11	6								
12	6								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 38° W	120	93.8	73.9	4° 13'	3° 38'	1 P	74	31° 35'	



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Monday <sup>day of</sup> Sept 1873
						Air.	Water.			
1	6		nnw	ssw					These 24 hours moderate breeze and pleasant	
2	6									
3	6									
4	6									
5	6									
6	7									
7	7									
8	7									
9	7									
10	7									
11	7									
12	6									
1	6			ss					Pumps Attended to  79 Days out	
2	6									
3	6									
4	6									
5	6									
6	6									
7	6									
8	6									
9	6									
10	6									
11	6									
12	6									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
6. n w by n	180	149.7	100.0	1-08	1-01	1P	1-4.0	36.17	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Tuesday <sup>day of</sup> Sept 1873
						Air.	Water.			
1	6		nnw	ssw					Moderate breeze and pleasant throughout the 24 hours one knot current setting to the northward and westward	
2	6									
3	6									
4	6									
5	6									
6	6									
7	6									
8	6									
9	6									
10	6									
11	6									
12	6									
1	6								Pumps Attended to  80 Days out	
2	6									
3	6									
4	6									
5	6									
6	6									
7	6									
8	6									
9	6									
10	6									
11	6									
12	6									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
6. n w by n	168	139.7	95.8	1-18	1-02	1P	9.4	38.21	



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	£		h h w	SE					Wedns <sup>day of</sup> 22 Sept 1873  Moderate breeze and pleasant throughout the 24 hours commenced li. holly stone this morning  Pumps attended to  81 Days out
2	£								
3	£								
4	£								
5	£								
6	£								
7	£								
8	£								
9	£								
10	£								
11	£								
12	£								
1	£								
2	£								
3	£								
4	£								
5	£								
6	£								
7	£								
8	£								
9	£								
10	£								
11	£								
12	£								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
h h w h	153	1353	90.5	3° 11'	3° 20'	1 IP	1-30	39° 57'	41° 28'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	£		h h w	SE					Thursday <sup>day of</sup> 23 Sept 1873  Moderate breeze and pleasant  Middle part breeze dying out and hauld more to the Eastward and overcast and holly stoning  Pumps attended to  82 Days out
2	£								
3	£								
4	£								
5	£								
6	£								
7	£								
8	£								
9	£								
10	£								
11	£								
12	£								
1	£								
2	£								
3	£								
4	£								
5	£								
6	£								
7	£								
8	£								
9	£								
10	£								
11	£								
12	£								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
h h w h	12.5	120.5	80.5	5° 20'	5° 33'		1-20	42 48	



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Friday <sup>day of</sup> Sept	1875
						Air.	Water.				
1	1		N H W	East							
2	1										
3	1										
4	3										
5	3										
6	3										
7	3										
8	3										
9	3										
10	3										
11	2										
12	2										
1	2										
2	2										
3	2										
4	2										
5	2										
6	2										
7	2										
8	0										
9	0										
10	0										
11	0										
12	0										

These 24 hours commence with light air from the Eastward and pleasant

Strong tide rips

Latter part calm 1 knot an hour current

Pump Attended to  
83 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.		
B H W	57	69.3	28.7	6° 42'	6° 23'		3' 0"	1.3° 19'			
H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Saturday <sup>day of</sup> Sept.	1873
						Air.	Water.				
1	0										
2	0										
3	0										
4	3		North	S E							
5	3										
6	3			South							
7	1										
8	1										
9	1										
10	3			S E							
11	3										
12	3										
1	3										
2	1										
3	1										
4	1										
5	1										
6	1										
7	1										
8	1										
9	1										
10	1										
11	1										
12	1										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
North	8'9	89.0		7° 52'	7° 57'			43° 19'	

Commenced with calm at 2 light breeze from the Southward pointing ship out-side

Middle part light baffling breeze from Southward and Westward

Latter light baffling breeze and 8 equally

Pump Attended to  
84 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
North	89	89.0		7° 52'	7° 37'			43° 19'	



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	5		North	SE					Sunday <sup>day of</sup> Sept 1875 -  Light baffling breeze and squally wind not steady
2	5								
3	5								
4	5								
5	5								
6	4								Middle part the same
7	3								
8	3								
9	4		by 30						
10	4								
11	4								Boatmen and hauled to the Eastward and pleasure sat Topmast Studd Sail
12	4								
1	4								
2	5								
3	4		by 30						
4	4		by 30						Pumps attended to
5	4								
6	4								
7	7								
8	7								
9	7								85 Days out
10	7								
11	7								
12	7								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N by W 1/4 W	13'0	12'0	30'2	9° 5'8	10° 0'0		3'2	1, 3° 3'2	1, 3° 5'8

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	7		N N W	SE					Monday <sup>day of</sup> Sept 1875 -  Fresh breeze and squally at 4 wind hauled more to the Northward and heaving on took in Sky sail and light fore and aft sails
2	7								
3	8								
4	8								
5	8		N W	SE					
6	8								Middle & latter strong breeze and squally at 8 P.M. sat Topmast Studd Sail
7	9								
8	10								
9	10								
10	10								
11	10								Pumps attended to
12	10								
1	10								
2	10								
3	10								
4	10								86 Days out
5	10								
6	10								
7	10								
8	10								
9	10								
10	10								
11	10								
12	10								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 55° W	23'0	13'4	18'7	12° 1'4	12° 1'9	1/2	3° 11'	47° 0'9	



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Tuesday day of 28 Sep	1873
						Air.	Water.				
1	10		h 20	h E					Strong breeze and passing squalls		
2	10										
3	10										
4	10										
5	10										
6	10										
7	10								Middle & Latter moderating all sail set crew painting ship in side		
8	9										
9	9		h 10 1/2 h								
10	8										
11	8										
12	8										
1	8								Pump Attended to		
2	8										
3	7										
4	7										
5	7										
6	7										
7	7								87 Days out		
8	7										
9	7										
10	7										
11	7										
12	7										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
h 47° 20'	199	134.2	145.2	14.27	14° 28'	1/2	2° 29'	49° 38'	18° 34'

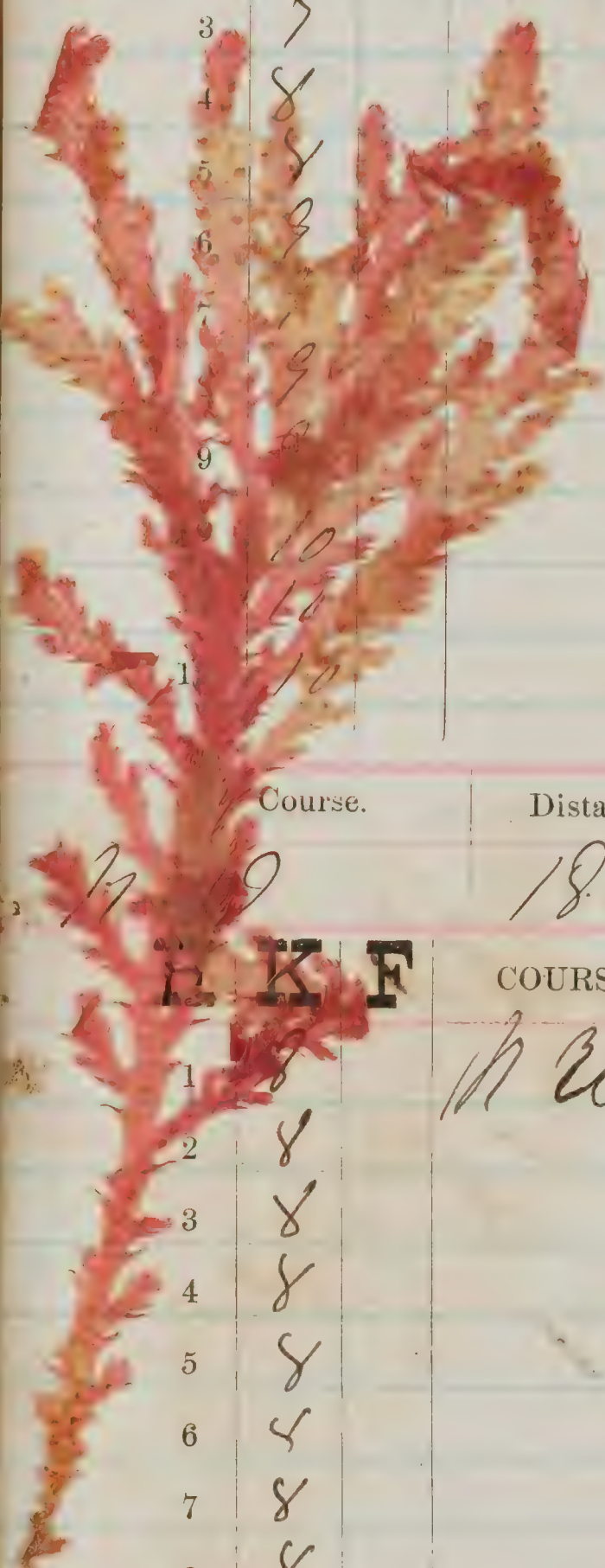
H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Wednesday day of 29 Sept	1873
						Air.	Water.				
1	7		h 10 1/2 h	h E					Moderating and pleasant crew painting		
2	7										
3	7										
4	7										
5	7										
6	7										
7	7								Middle part the same		
8	7										
9	7										
10	7										
11	7										
12	7										
1	6								Latter wind hauled more to the Eastward sat Thomas Studd sail a bark in company going the same way		
2	6										
3	6										
4	6										
5	6										
6	6										
7	6								Pump Attended to		
8	6										
9	6										
10	6										
11	6										
12	6										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
h 20	156	110.3	110.3	15° 38'	15° 40'	1/2	1° 54'	51° 48'	52° 10'



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	6		N W by N	East					Thursday <sup>day of</sup> 30 Sept 1875  Light breeze and pleasant crew painting ship inside.
2	6								
3	6								
4	6								
5	6								
6	6								
7	6								
8	6								
9	7								
10	7								
11	7								
12	7								
1	7		N W	East					Friday <sup>day of</sup> 1 Oct 1875  Lighter breeze freshening bark still in company  Pumps attended to  89 Days out
2	7								
3	7								
4	8								
5	8								
6	8								
7	8								
8	8								
9	8								
10	10								
11	10								
12	10								



Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N W	180	127.3	127.3	17° 35'	17° 47'	1 P	2' 18"	56° 23'	54° 0' 0"

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.
						Air.	Water.		
1	8		N W	East					Friday <sup>day of</sup> 1 Oct 1875  These 24 hours fresh breeze and pleasant throughout the 24 hours  Pumps attended to  90 Days out
2	8								
3	8								
4	8								
5	8								
6	8								
7	8								
8	8								
9	8								
10	8								
11	8								
12	8								
1	9		N W	East					
2	9								
3	9								
4	9								
5	9								
6	9								
7	9								
8	9								
9	9								
10	9								
11	9								
12	9.								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N W 1/2 E	204	129.4	157.7	19° 43'	19° 50'	1/2	16'	56° 46'	56° 50'







# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Monday <sup>day of</sup> 1 Oct 1875	
						Air.	Water.				
1	8		N W	N E by E					These 24 hours fresh breeze with passing rain squalls		
2	8										
3	8										
4	8										
5	8										
6	8										
7	8										
8	9										
9	9										
10	9										
11	8										
12	8										
1	8								Pumps Attended to		
2	8										
3	8										
4	8										
5	8										
6	8										
7	8										
8	8										
9	8										
10	8										
11	8										
12	8										
										93 Days out	

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N W	193	135.8	135.8	25° 53'	25° 57'		2-30	(1° 50')	(5° 21')

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Tuesday <sup>day of</sup> Oct	1875
						Air.	Water.				
1	8		N 20 1/2 N							Fresh breeze and squally first and middle part a Bark in sight on lee bow	
2	8										
3	8										
4	8										
5	8										
6	8										
7	7										
8	7										
9	8										
10	8										
11	8										
12	8										
1	8		Frozen East to N E							Latter part pleasant - exchanged signals with American Bark	
2	8										
3	8										
4	8										
5	8										
6	8										
7	8										
8	8										
9	8										
10	8										
11	8										
12	8										
										Pumps Attended to	
										94 Days out	

Course.	Distance.	Diff. of Lat	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N W	190	134.4	134.4	28° 05'	27° 53' 1/2		150	(7° 57')	(7° 47')



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Wednesday <sup>day of</sup> 6 Oct 1875
						Air.	Water.			
1	8		NW 1/2 N						Strong breeze and squally fit and Middle parts	
2	8									
3	8									
4	8									
5	8								Latter strong breeze and pleasant-odded spars	
6	8									
7	8									
8	8									
9	8								Pumps attended to	
10	8									
11	8									
12	8									
1	8								95 Days out	
2	8									
3	8									
4	8									
5	8									
6	8									
7	8									
8	8									
9	8									
10	9									
11	9									
12	9									

From E.S. to N.E. by N

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 20 1/2 N	195	150.7	123.7	30° 2' 1"	30° 1' 4"	1/2	14' 1"	70° 08'	70° 05'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Thursday <sup>day of</sup> 7 Oct 1875
						Air.	Water.			
1	8		N by W 1/2 N						Strong breeze and squally all sail set got up 45 fathoms on each chain	
2	8									
3	8									
4	8									
5	8								Middle part moderating and wind unsteady with heavy squalls	
6	8									
7	8									
8	7									
9	7								Latter part light baffly breeze and squally crew haly stowing main deck	
10	6									
11	6									
12	6									
1	6								Pumps attended to	
2	6									
3	6									
4	6									
5	6								96 Days out	
6	6									
7	6									
8	6									
9	6									
10	6									
11	6									
12	6									

From S by N E

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 25° 30'	165	149.5	70.8	32° 43'	32° 44'	1/2	82	71° 27'	



Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Friday <sup>day of</sup> Oct	1875
						Air.	Water.				
1	6		h W by h	S W							
2	6										
3	6										
4	6										
5	6										
6	6										
7	6										
8	5			W S W							
9	5		North								
10	5										
11	5										
12	5										
1	5		h W by W 1/2 W h by E								
2	5										
3	5										
4	6										
5	6										
6	6										
7	6										
8	6										
9	6										
10	6										
11	6										
12	6										

Moderate breeze from S W  
and holy stormy

Middle part squally at 11  
wind shifted to the Northward  
wore ship a bark in company  
breeze freshening and sea  
getting up

Scatter strong breeze and  
nasty sea took in light  
sails at 10 miles to furl sail  
& at 6 several sail in  
company

Thumps Attended to  
97 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 49° W	127	83 0	96.5	31° 17'	31° 07'	1/2	1° 53'	73° 22'	74° 00'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	Saturday <sup>day of</sup> Oct	1875
						Air.	Water.				
1	6		h W by W	h by E							
2	6										
3	6										
4	6										
5	6		h W	N N E							
6	6										
7	6										
8	5										
9	5		E by S	N N E							
10	5										
11	5										
12	5										
1	5										
2	5										
3	5										
4	5										
5	5		N N W	N E							
6	5										
7	5										
8	5										
9	5										
10	5										
11	5										
12	5										

Strong breeze short sea at  
7-30 wore ship to the Eastward  
breeze increasing the main sail  
set

Middle fresh gale and high  
sea at 2 AM took in fore and  
main topgal sails at 4 AM  
wore ship to the Westward

Later the same several  
sails in sight bore to the  
Southward

Thumps Attended to  
98 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N by W 6	68	58, 8	12.4	33° 04'	33° 18'		15'	74° 13'	



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Sunday <sup>day of</sup> Oct	1875
						Air.	Water.				
1	5		NW by N	NW by N					Commenced with strong breeze and nasty sea at 2 moderating		
2	5								at 4 sails at 4 Royals		
3	6								at 8 tacked ship to the Eastward		
4	6										
5	6										
6	6										
7	6										
8	6										
9	5		E by S	" "					Middle part the surge at		
10	5								2. A M tacked to the Westward		
11	5								and moderating		
12	5										
1	5										
2	5								Later part light air and		
3	5								pleasant several sail in sight		
4	5										
5	4		NW by W	NW by W							
6	4										
7	4										
8	3								Pumps Attended to		
9	2										
10	1										
11	1										
12	1										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 10° W	43	12.1	05.0	36° 30'	36° 40'		05'	74° 20'	71° 43'

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	Monday <sup>day of</sup> Oct	1875
						Air.	Water.				
1	2		NN E	South					Light breeze from the Southward		
2	3								and pleasant at 3 breeze freshening		
3	4			SS E					several steamers passed to the Southward		
4	5										
5	5										
6	5										
7	5		NW by N								
8	6										
9	7								Middle part fresh breeze		
10	7										
11	7										
12	7										
1	7								Later at 9 A M wind hauled		
2	8								to the Northward got the anchor		
3	8								on the bow and bent the chains		
4	8										
5	9		N by E	SS W					Pumps Attended to		
6	9										
7	9										
8	9			West							
9	9										
10	5		NE E	North							
11	5										
12	5										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 30° E	132	114.7	67.3	38° 34'			85'	73° 13'	



# Journal from San Francisco towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	1875
						Air.	Water.			
1	8		N W by W	N by E					Tuesday 12 Oct	
2	8									
3	8									
4	8								Strong breeze and overcast	
5	8								with rain squalls at 6 P.M.	
6	8								made five fathoms bank light	
7	8		E by N						ship N.W. dis 15 tacked ship	
8	8								to the Eastward.	
9	8									
10	8									
11	7								Middle part breeze more	
12	7								arising took Fore & Main	
1	6								Topgalsails and F. Jib at	
2	6									
3	6									
4	6									
5	6		W N W	North					Latter part moderate	
6	6								gale and high sea at 8 A.M.	
7	5								wore ship to the Westward	
8	5								at 9 exchanged signals with	
9	5								Station Boat carrying	
10	5								Star	
11	5									
12	5								Pumps Attended to	
									101 Days out	

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 17° W	42	10.4	12.2	39° 14'	38° 50'		1° 0'	73° 31'	

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	1875
						Air.	Water.				
1	7		W by N							Wednesday 13 Oct	
2	7										
3	7										
4	7										
5	7										
6	7										
7	7		E by E	North							
8	6										
9	6										
10	6										
11	5										
12	5										
1	5										
2	5										
3	5										
4	4										
5	4		W by W								
6	4										
7	4										
8	3										
9	3										
10	3										
11	3										
12	3										

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
				39° 04'					



Journal from

towards

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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Journal from

towards

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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Journal from

towards

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
1									May 25 <sup>th</sup> At 2 P.M. Light breeze from the northward and sea down all sail Lat 35 10 Long 124 00		
2									Dis 135 miles		
3									May 26 <sup>th</sup> Fresh breeze from the northward and pleasant Lat 32 21 Long 123 44 Dis 200 miles		
4											
5											
6											
7											
8											
9									May 27 <sup>th</sup> Fresh breeze from the northward and pleasant Lat 29 29 Long 122 22		
10									Dis 170 miles		
11									May 28 <sup>th</sup> Wind getting lighter and overcast Lat 27 00 Long 123 45		
12									Dis 145 miles		
1									May 29 <sup>th</sup> Light breeze from the northward and overcast Lat 25 16 Long 123 13		
2									Dis 115 miles and in hopes to get the Trade today		
3											
4											
5											
6											
7											
8									May 30 <sup>th</sup> Light breeze from the northward and overcast Lat 23 30 Long 122 48		
9									Dis 115 miles and in hopes to get the Trade today		
10											
11											
12											

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation. Diff. of Lon. Lon. in. Lon. by Ob.

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
1									May 31 <sup>st</sup> Fresh breeze light Trades and overcast at 1 P.M. and hauld in to the N.E. and more settled		
2									One week's work made but light am in hopes they will further Lat 20 36 Long 123 36 Dis 140 miles small day's work Dis sum this week 102 miles Average 145 miles a day		
3											
4											
5											
6											
7											
8											
9											
10											
11									June 1 <sup>st</sup> Fresh breeze light Trades and overcast Dis 135 miles Lat 18 50 Long 122 10		
12											
1									June 2 <sup>nd</sup> Light Trades and pleasant still slow work Dis there 24 hours 120 miles Strong backing current Lat 16 49 Long 122 00		
2											
3											
4											
5											
6											
7											
8											
9									June 3 <sup>rd</sup> Light Trades there 24 hours and pleasant Dis 130 miles Lat 14 10 Long 121 34		
10											
11											
12											

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation. Diff. of Lon. Lon. in. Lon. by Ob.



# Journal from

towards

January 187

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
1									June 5 <sup>th</sup> Light breeze from the North-east. Dist by Ob 153 miles		
2									Lat 12-13 Long 121-00		
3											
4											
5									June 5 <sup>th</sup> Light breeze and pleasant the		
6									trades are getting steadily fresh		
7									dieing out are about 8 knots		
8									Lat 15-24 Long 120-10		
9									Dis 112 miles		
10											
11									June 6 <sup>th</sup> When 24 hours light breeze from		
12									the North-east and pleasant		
1									Lat 20-22 Long 120-28 Dis 75 miles		
2											
3									June 7 <sup>th</sup> Light breeze and pleasant the		
4									North-east Dist 74 miles Lat 24-03		
5									Long 120-32 Dis 114 miles for day by small work		
6											
7									June 8 <sup>th</sup> Light breeze from the North-east with		
8									calms up to 11 AM then wind shifted		
9									to South-east and light breeze		
10									the trade set against the ship		
11									Dis 55 miles Lat 7-20 Long 120-32		
12											

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation. Diff. of Lon. Lon. in. Lon. by Ob.

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
1									June 9 <sup>th</sup> Through out there is a light		
2									breeze and pleasant from		
3									all parts of the compass		
4									Lat 6-53 Long 120-32 Dis 48 miles		
5											
6									June 10 <sup>th</sup> Light breeze and pleasant		
7									with heavy rain breeze all		
8									Day 48 Lat 5-15 Long 120-58		
9									a breeze on compass		
10											
11									June 11 <sup>th</sup> Light breeze and pleasant		
12									Lat 5-22 Long 120-25		
1											
2									June 12 <sup>th</sup> Light breeze and pleasant		
3									Lat 5-00 Long 120-00		
4									Dis 50 miles Strong S.W. breeze		
5											
6											
7									June 13 <sup>th</sup> Light breeze and pleasant		
8									Lat 4-00 Long 119-00		
9									Dis 60 miles Lat 4-00 Long 119-00		
10											
11											
12											

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation. Diff. of Lon. Lon. in. Lon. by Ob.



H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
1									June 14 <sup>th</sup> Fresh breeze light breeze		
2									Three weeks in the Gulf of Mexico		
3									only fresh breezes Dis 175		
4									Lat 14-3 Long 21-30		
5									This week 421 miles Small waves		
6									work but do better next		
7									week Average 60 miles a day		
8											
9											
10											
11									June 15 <sup>th</sup> Fast but light breeze		
12									all sail set Lat 14-42 South		
1									Long 22-05 Dis 150 miles		
2									3 days 2 weeks of the		
3									thunderstorm rigging		
4											
5									June 16 <sup>th</sup> Strong breeze		
6									head sea Lat 13-15 Long 22-30		
7									Dis 160 miles Sea about 800		
8									as the anchor do		
9											
10											
11											
12											

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
1									June 17 <sup>th</sup> Strong breeze and pleasant		
2									and sunny sea. Dis 200 miles		
3									Lat 16-27 Long 23-00		
4									June 18 <sup>th</sup> Strong breeze and sea getting		
5									more boisterous Lat 17-12 Long 25-15		
6									Dis 200 miles		
7									June 19 <sup>th</sup> Fresh breeze and pleasant sea		
8									at stormy at last been and		
9									sea smoother Dis 175 miles		
10									Lat 12-30 Long 22-30		
11									June 20 <sup>th</sup> Fresh breeze and Squally		
12									Dis 170 miles Lat 13-15 Long 25-15		
1									June 21 <sup>st</sup> Moderate breeze from the		
2									Northwest and light breeze		
3									Dis 150 miles Lat 15-11		
4									Long 27-15 Average 178 miles		
5									a day lost the SE trades wind		
6									drifted to the Northwest		
7											
8											
9											
10											
11											
12											

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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## Journal from

towards

LANTOON

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer Air. Water.	Barometer.	REMARKS.	day of	187
1								June 22 <sup>nd</sup> Fresh breeze from the Northward		
2								and Eastward and squally		
3								Dist 17.5 Lat 20-40 Long 118-40		
4								June 23 <sup>rd</sup> Light-buffing breeze and		
5								calm with heavy rain		
6								Squally Dist 42 Lat 20-25		
7								Long 118-35		
8			175					June 24 <sup>th</sup> Throughout the day		
9			1.8					light and calm from the		
10			5-0					Southward Dist 28		
11			1.8					Squally Dist 22 Lat 19-25		
12			22					Long 118-35		
1			80					June 25 <sup>th</sup> Throughout the day		
2			55					light and calm from the		
3			78/64					Southward Dist 25		
4			2					Long 118-30		
5			38					June 26 <sup>th</sup> Throughout the day		
6			36					light and calm from the		
7								Southward Dist 28		
8								Squally Dist 22 Lat 19-25		
9								Long 118-35		
10								June 27 <sup>th</sup> Throughout the day		
11								light and calm from the		
12								Southward Dist 28		

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation. Diff. of Lon. Lon. in. Lon. by Ob.

28-00 Long 119-15 Dist 21 miles

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer Air. Water.	Barometer.	REMARKS.	day of	187
1								June 27 <sup>th</sup> Fresh 24 hours light-buffing		
2								breeze from the Southward and		
3								Westward and squally Dist		
4								30 miles Lat 20-25 Long 118-40		
5								June 28 <sup>th</sup> Light breeze from the East		
6								and Southward Dist 42 miles		
7								Lat 23-02 Long 118-45 had made		
8								but 4.78 miles this week small		
9								work Average 5.7 miles a day have		
10								look		
11								June 29 <sup>th</sup> Fresh 24 hours light-buffing		
12								breeze from the Southward and		
1								Westward and squally at times		
2								at times to heavy breeze and		
3								squally Dist 16.0 miles		
4								Lat 27-30 Long 117-21		
5								June 30 <sup>th</sup> Fresh 24 hours light-buffing		
6								breeze from the Southward and		
7								Westward and squally from Northward		
8								and Westward Dist 13.8 miles		
9								Lat 30-03 Long 116-33 have		
10								had hard look through the		
11								hope the next ten days will not		
12								look		

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation. Diff. of Lon. Lon. in. Lon. by Ob.



H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
1									July 1 <sup>st</sup> Strong breeze from the northward		
2									and Westward and thick and		
3									samy with heavy squalls and		
4			100						night cross sea Dist 210 miles		
5			150						Lat 35-05 Long 114-10		
6			210						SE 1/2 E		
7			130						July 2 <sup>nd</sup> Then 24 hours moderate breeze		
8			222						from from the Southward of us		
9			230						heavy swell ship rolling much		
10			130						Dist 130 miles Lat 34-38 Long 113-02		
11			115 5 0 14						all sail set		
12			33								
1									July 3 <sup>rd</sup> Strong breeze from NW		
2									and squally all sail set		
3									Dist 222 miles Lat 38-40 Long 112-10		
4									July 4 <sup>th</sup> Strong breeze from the northward		
5									and Westward and heavy squalls		
6									alter from whole gale from E		
7									and heavy squalls Dist 230 miles		
8									Lat 41-24 Long 108-15 not a		
9									very pleasant weather but		
10									slightly more air than that are		
11									feeling a good time today		
12											

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation. Diff. of Lon. Lon. in. Lon. by Ob.

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
1									July 5 <sup>th</sup> Fresh gale from NW		
2									part then moderate and light		
3									breeze from the northward		
4									Dist 150 miles she had caught		
5									Six weeks to have gone 200 but I		
6									can't get further along the copper		
7									begets to come off your side		
8									set several places where it is		
9									all off Lat 43-20 Long 106-07		
10									and 140 miles		
11									July 6 <sup>th</sup> Fine part light air from		
12									the westward and fall		
1									Moderate breeze from the		
2									Eastward her luck for East		
3									wind Dist 100 miles Lat 41-58		
4									Long 106-09		
5									July 7 <sup>th</sup> Light baffling breeze from the		
6									Southward and Eastward with		
7									parting squalls at times much		
8									warmer just such weather as		
9									I had here last winter Dist 90		
10									miles Lat 40-12 Long 106-00		
11											
12											

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation. Diff. of Lon. Lon. in. Lon. by Ob.



H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187	87
						Air.	Water.					
1					July 8 <sup>th</sup>				First part Calm latter			
2									part air from Northward			
3									and Eastward small days			
4									work Dis 100 miles Lat 46 48			
5									Long 106 35			
6					July 9 <sup>th</sup>							
7									Shall 24 hours commenced			
8									with fresh breeze from the			
9									Northward and Eastward			
10									latter part wind hauled			
11									to the Southward and			
12									pleasant Dis 170 miles			
1									Lat 49-18 Long 104 22			
2												
3					July 10 <sup>th</sup>				Lat 50-20 Long 104-34 Dis 102			
4									miles S.W. moderate breeze from			
5									the Eastward and heavy swell			
6									and squalls. This makes five			
7									days that I have the wind with			
8									back on it I should think it			
9									was about time it hauled			
10									to the Westward			
11												
12												

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187	
						Air.	Water.					
1					July 11 <sup>th</sup>				Lat 52 42 Long 105 34 course			2
2									Dis 101 10 miles Strong breeze			
3									from E.S. and high sea with			
4									heavy squalls this at the sea			
5									down. Partly wind hope it will			
6									soon haul			
7					July 12 <sup>th</sup>							
8									Lat 52 19 Long 104 24 Dis 30			
9									miles Strong breeze with heavy			
10									head second squalls this I			
11									make for fourth day but we			
12					Seventh day				have had wind from S.W. N.E.			
1									and hope it will soon haul			
2									Dis 100 miles 6 40 mile average			
3									9 4 miles a day			
4					July 13 <sup>th</sup>							
5									Lat 53 21 Long 104 35 Dis 67			
6									miles and heavy breeze from			
7									S.W. this wind I hope will			
8									soon haul and heavy swell			
9									with a choppy sea			
10									but 1 1/2 miles during			
11									the last night long and			
12									the weather is very calm			

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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change  
helps we are going to see



Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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Journal from

towards

187

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
1									July 21 <sup>st</sup> Lat by DR 57-33 Long 66 17		
2									Dis 210 miles First strong breeze		
3									from West-Latter moderate		
4									breeze and pleasant all sail		
5									set I never saw so fine weather		
6									down here		
7											
8											
9									July 22 <sup>nd</sup> Lat by DR 56-57 Long 62-29		
10									Dis 186 First part light breeze		
11									from the Westward at time calm		
12									water as smooth as a pond		
1									several sails in sight hauled		
2									to the West-Latter part wind		
3									hauling to the N by E and foggy		
4									Barometer high 30.2		
5									July 23 <sup>rd</sup>		
6									Lat by DR 54 06 Long 58 02		
7									Dis 166 miles light breeze		
8									breeze from NNE to N by W and		
9									foggy sea smooth don't look		
10									as though had been any wind		
11									here for sometime. Barometer the		
12									same I call this hard luck		

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation. Diff. of Lon. Lon. in. Lon. by Ob.

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
1									July 24 <sup>th</sup> Lat by DR 55-32 Long 58 16 2		
2			220						Dis 85 miles light breeze		
3			210						from NNE to N by W and times		
4			180						calm and thick fog and		
5			136						sea smooth Barometer the same		
6			85						hard luck		
7			120						July 25 <sup>th</sup> Lat by DR 52 18 Long 52 33		
8			85						Dis 120 mile there 24 hours		
9									light breeze and thick fog		
10									with swim at time calm and		
11									at other 8 knots this is from		
12									days of this kind of weather		
1									am about dis courage		
2									July 26 <sup>th</sup> Lat by DR 55 03 Long 58 03		
3									Dis 85 miles N by E first part		
4									light and foggy latter light		
5									and pleasant fine weather		
6									Dis sailed this week 1056 mile		
7									average per day 144 miles		
8											
9											
10											
11											
12											

Nine weeks

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation. Diff. of Lon. Lon. in. Lon. by Ob.



# Journal from

towards

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer Air. Water.	Barometer.	REMARKS	DR	day of	187
1								July 27 <sup>th</sup> Lat 42° 56' Long 49° 07' Dis 44			
2								First light breeze from N.E. and			
3								pleasant at 4 P.M. tacked ship			
4								to the Northward at 4 A.M. and			
5								hauling tacked to the Eastward			
6								later part and N.W. light			
7								and smooth sea and good			
8								squalls this is what I call hard			
9								luck ought to have strong			
10								westward and			
11	214							July 28 <sup>th</sup> Lat 42° 00' Long 47° 10' Dis 89			
12	55							and light breeze from N.W. and			
1	122							heavy swell from N.E. have			
2	135							not had wind enough but what			
3	155							could carry ship sail for over a			
4	210							week			
5	186 5	123						July 29 <sup>th</sup> Lat by DR 32° 25' Long 45° 00' Dis 122			
6	15							First part light breeze from N.W.			
7	35							and swell from N.E.			
8								July 30 <sup>th</sup> Lat by DR 50° 50' Long 43° 12' Dis 125 miles			
9								First part light breeze from N.W. and overcast			
10								with heavy swell from S.E. this is the month day			
11								with light wind from N.W. to N.E.			
12											

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation. Diff. of Lon. Lon. in. Lon. by Ob.

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer Air. Water.	Barometer.	REMARKS.	DR	day of	187
1								July 31 <sup>st</sup> Lat 49° 25' Long 41° 50' Dis 80			
2								First part light breeze from the			
3								Northward later wind hauling			
4								to the S. and Westward the			
5								first time for eleven days that			
6								the yard have been squared in			
7								clear of the Back Stays			
8								Aug 1 <sup>st</sup> Lat 46° 25' Long 39° 38' Dis 194			
9								First part light breeze from			
10								the Southward later strong			
11								breeze from S.W.			
12								Aug 2 <sup>nd</sup> Lat 43° 15' Long 37° 25' Dis 210			
1								Strong breeze from S.W. later			
2								moderately made 210 and			
3								to haul made 250 in week			
4								Dis 845 miles average 128 p			
5								day			
6											
7											
8											
9											
10											
11											
12											

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation. Diff. of Lon. Lon. in. Lon. by Ob.



Journal from

towards

Journal

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer Air. Water.	Barometer.	REMARKS.	day of	187
1								Aug 3 <sup>rd</sup> Lat-41 21 Long 35 40 Dis 121		
2								First part light breeze from the		
3								SSE and later to the SSW and		
4								and fresh by the end of day		
5										
6								Aug 4 <sup>th</sup> Lat-41 21 Long 35 30 Dis 70		
7								First part strong breeze from the		
8								Northward and heavy squalls		
9								later fresh gale and high sea		
10								and by 10 this is the first		
11								time Breeze has been in for		
12								fifteen days at times blowing		
1								hard ship makes the least		
2								water this passage of any time		
3								I have been		
4										
5								Aug 5 <sup>th</sup> Lat-40 10 Long 33 29 Dis 92		
6								First part strong breeze and		
7								high sea and heavy squalls		
8								from NNW later which backing		
9								to the Eastward and clearing		
10								out		
11										
12										

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation. Diff. of Lon. Lon. in. Lon. by Ob.

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer Air. Water.	Barometer.	REMARKS.	day of	187
1								Aug 6 <sup>th</sup> Lat-37 36 Long 32 48 Dis 132		
2			121					Light breeze from the Southward		
3			30					and overcast		
4			32							
5			132					Aug 7 <sup>th</sup> Lat-36 18 Long 32 00 Dis 90		
6			30					First part light baffling breeze		
7			144					from the Southward later and		
8			80					backing to the North West		
9			77 49 (107)					all sail set		
10			119					Aug 8 <sup>th</sup> Lat-34 00 Long 31 10 Dis 142		
11			117					Moderate breeze from WNW		
12								these 24 hours		
1										
2								Aug 9 <sup>th</sup> Lat-32 38 Long 31 30 Dis 80		
3								First part light baffling breeze		
4								from NW W Middle part calm		
5								up to 8 AM then light		
6								breeze from NNE Dis 74.9		
7								average 107 per day		
8										
9										
10										
11										
12										

Eleven weeks

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation. Diff. of Lon. Lon. in. Lon. by Ob.



Journal from \_\_\_\_\_ towards \_\_\_\_\_

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
1									Aug 10 <sup>th</sup> Lat-31 33 Long 33 24 Dis 113		
2									First-boat-light-breeze from		
3									NNE latter strong breeze and		
4									high sea at 11 AM wind		
5									shifted to NW and during out-		
6									and heavy fall of rain		
7											
8									Aug 11 <sup>th</sup> Lat-30 00 Long 33 03 Dis 98		
9									First-boat-fresh breeze from		
10									NW and heavy head sea		
11									latter wind shifting to the		
12									southward last-boat crosses		
1									the line 23 day out-but-		
2									am a long way behind I		
3									should not like to meet the		
4									Canada, now for I think she		
5									would beat me		
6									Aug 12 Lat-29 44 Long 32 48 Dis 60		
7									First-boat-light-breeze from		
8									SW latter light-air for		
9									all part and calms		
10											
11											
12											

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
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Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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Journal from \_\_\_\_\_ towards \_\_\_\_\_

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
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Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
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Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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Journal from \_\_\_\_\_ towards \_\_\_\_\_

Latitude

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS	day of	187
						Air.	Water.				
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Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
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Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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Journal from \_\_\_\_\_ towards \_\_\_\_\_

H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
						Air.	Water.				
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Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H	K	F	COURSES.	WINDS.	LEEWAY.	Thermometer		Barometer.	REMARKS.	day of	187
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Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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